

LBT-LX7/LX8

SERVICE MANUAL

AEP Model
UK Model
LBT-LX7

E Model
LBT-LX7/LX8

Australian Model
LBT-LX8

- LBT-LX7 / LX8 is composed following models.
As for the service manual, it is issued for each component model,
then, please refer to it.

COMPONENT MODEL NAME FOR LBT-LX7/LX8

| | LBT-LX7 | LBT-LX8 |
|--------------------------------------|---------|---------|
| COMPACT DISC DECK RECEIVER SYSTEM | HCD-LX7 | HCD-LX8 |
| SPEAKER SYSTEM | SS-LX7 | SS-LX8 |

Abbreviation

CND : Canadian model
EA : Saudi Arabia model
SP : Singapore model

MX : Mexican model
AR : Argentine model
MY : Malaysia model

SPECIFICATIONS

General

| | |
|--------------------|---|
| Power requirements | 230 V AC, 50 / 60 Hz |
| European model: | 120 V AC, 50 / 60 Hz |
| Mexican model: | 230 - 240 V AC, 50 / 60 Hz |
| Australian models: | 120 V, 220V, or 230 - 240 V AC, 50 / 60 Hz |
| Other models: | Adjustable with voltage selector |

| | |
|--------------------------------|-----------|
| Power consumption (LBT-LX7) | 220 watts |
| (LBT-LX8) | 300 watts |

Supplied accessories

AM loop antenna (1)
Remote RM-SR5B (1)
R6 (size AA) batteries (2)
FM wire antenna (1)
Speaker cords (2)

Design and specifications are subject to change without notice.

PARTS LIST

| Part No. | Description | Remark |
|--|--|--------|
| ***** ACCESORIES & PACKING MATERIALS ***** | | |
| 1-475-572-41 | COMMANDER, STANDARD (RM-SR5B) | |
| 1-501-374-11 | ANTENNA, LOOP | |
| 1-501-659-41 | ANTENNA (FM) (LBT-LX8) | |
| 1-501-804-11 | ANTENNA (FM) (LBT-LX7) | |
| 1-775-512-21 | CORD, SPEAKER | |
| 4-227-074-11 | MANUAL, INSTRUCTION (ENGLISH) | |
| 4-227-074-21 | MANUAL, INSTRUCTION (FRENCH) (EA) | |
| 4-227-074-31 | MANUAL, INSTRUCTION (SPANISH) (AR, MX) | |
| 4-227-074-41 | MANUAL, INSTRUCTION (FRENCH, SPANISH) (AEP) | |
| 4-227-074-51 | MANUAL, INSTRUCTION (GERMAN, DUTCH, SWEDISH) (AEP) | |
| 4-227-074-61 | MANUAL, INSTRUCTION (ITALIAN, PORTUGUESE) (AEP) | |
| 4-227-074-71 | MANUAL, INSTRUCTION (POLISH, RUSSIAN) (CIS) | |
| 4-227-074-81 | MANUAL, INSTRUCTION (ARABIC) (EA) | |
| 4-227-074-91 | MANUAL, INSTRUCTION (CHINESE)(SP, MY) | |
| 4-227-075-11 | MANUAL, INSTRUCTION (CZECH) (CIS) | |
| 4-227-075-21 | MANUAL, INSTRUCTION (HUNGARIAN) (CIS) | |
| 4-227-075-31 | MANUAL, INSTRUCTION (GREEK) (CIS) | |
| 4-227-075-41 | MANUAL, INSTRUCTION (TURKISH) (CIS) | |
| 4-228-574-11 | MANUAL, INSTRUCTION(ENGLISH, FRENCH, GERMAN, SPANISH, DUTCH, SWEDISH, ITALIAN, PORTUGUESE, POLISH, RUSSIAN, DANISH, FINNISH, HUNGARIAN, CZECH, GREEK, TURKISH)(SS-LX7) | |
| 4-210-254-01 | CUSHION (FOOT) | |
| 4-991-151-31 | COVER, BATTERY (FOR RM-SR5B) | |

COMPACT Hi-Fi STEREO SYSTEM

SONY®

HCD-LX7/LX8

SERVICE MANUAL

AEP Model
UK Model
HCD-LX7

E Model
Australian Model
HCD-LX8



HCD-LX7/LX8 is the tuner, deck, CD and amplifier section in LBT-LX7/LX8.

Photo: HCD-LX8

This stereo system is equipped with the Dolby* B-type noise reduction system.

* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol  are trademarks of the Dolby Laboratories Licensing Corporation.

| | | |
|-------------------|------------------------------------|---------------------|
| CD SECTION | Model Name Using Similar Mechanism | HCD-DR4/XB500 |
| | CD Mechanism Type | CDM37M-5BD32L |
| | Base Unit Type | BU-5BD32L |
| | Optical Pick-up Type | KSS-213D/Q-NP |
| TAPE DECK SECTION | Model Name Using Similar Mechanism | HCD-GRX10AV/RX110AV |
| | Tape Transport Mechanism Type | TCM-230PWR1 |

SPECIFICATIONS

Amplifier section

(HCD-LX8)

The following measured at AC 120/220/240 V, 50 Hz

DIN power output (Rated)

240 + 240 watts
(4 ohms at 1 kHz, DIN)

Continuous RMS power output (Reference)

300 + 300 watts
(4 ohms at 1 kHz, 10 % THD)

(HCD-LX7)

DIN power output (Rated)

200 + 200 watts
(6 ohms at 1 kHz, DIN)

Continuous RMS power output (Reference)

250 + 250 watts
(6 ohms at 1 kHz, 10 % THD)

Music power output (Reference)

430 + 430 watts
(6 ohms at 1 kHz, 10 % THD)

Inputs

DJ MIX IN *(phono jacks): sensitivity 250 mV, impedance 47 kilohms

GUITAR IN (phone jack): sensitivity 75 mV, impedance 470 kilohms

PHONO IN (phono jacks): sensitivity 3 mV, impedance 47 kilohms

MIX MIC (phono jack): sensitivity 1 mV, impedance 10 kilohms

VIDEO 1 IN (phono jacks): sensitivity 250 mV, impedance 47 kilohms

VIDEO 2 IN (phono jacks): sensitivity 250 mV, impedance 47 kilohms

MD IN (phono jacks): sensitivity 450 mV, impedance 47 kilohms

Outputs

DJ MIX OUT *(phono jacks): sensitivity 250 mV, impedance 1 kilohms

PHONES (stereo phone jack): accepts headphones of 8 ohms or more

VIDEO OUT (phono jack): voltage 250 mV, impedance 1 kilohm

MD OUT (phono jacks): voltage 250 mV, impedance 1 kilohm

FRONT SPEAKER :

(HCD-LX8) accepts impedance of 4 to 16 ohms

(HCD-LX7) accepts impedance of 6 to 16 ohms

* European, and Mexican models only.

CD player section

System

Compact disc and digital audio system

Laser

Semiconductor laser ($\lambda = 780$ ohm), Emission duration: continuous

Max. 44.6 μ W*

* This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7 mm aperture.

780 - 790 nm

2 Hz - 20 kHz (± 0.5 dB)

More than 90 dB

More than 90 dB

Wavelength

Frequency Response

Signal-to-noise ratio

Dynamic range

CD DIGITAL OUT

(square optical connector jack, rear panel)

Wave length: 600 nm

Output level: -18 dBm

Tape player section

Recording system

Frequency Response (DOLBY NR OFF)

40 - 13,000 Hz (± 3 dB), using a Sony TYPE I cassette

40 - 14,000 Hz (± 3 dB), using a Sony TYPE II cassette

— Continued on next page —

COMPACT HiFi STEREO SYSTEM

SONY®

Tuner section

FM Stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range

87.5 - 108.0 MHz (50kHz step)

Antenna:

Antenna terminals
Intermediate frequency

FM Wire antenna
75 ohm unbalanced
10.7 MHz

AM tuner section

Tuning range

Pan-American models: 530 - 1,710 kHz (with the tuning interval set at 10 kHz)
531 - 1,710 kHz (with the tuning interval set at 9 kHz)

European and Middle Eastern models:

531 - 1,602 kHz (with the tuning interval set at 9 kHz)

Other models:

531 - 1,602 kHz (with the tuning interval set at 9 kHz)

530 - 1,710 kHz (with the tuning interval set at 10 kHz)

Antenna

AM loop antenna,
External antenna terminals

Intermediate frequency

450 kHz

General

Power Requirements

European models:

230 V AC, 50/60 Hz

Mexican model:

120 V AC, 50/60 Hz

Australian model:

230 - 240 V AC, 50/60 Hz

Other models:

120 V, 220 V, or 230 - 240 V AC, 50/60 Hz

Adjustable with voltage selector

Power Consumption

European models:

(HCD-LX7)
220 watts

Other models:

(HCD-LX8)
300 watts

Dimensions(w/h/d)

Approx. 356 x 423 x 446
incl. projecting parts and controls

Mass

(HCD-LX7)

Approx. 15.6 kg

(HCD-LX8)

Approx. 15.7 kg

Supplied Accessories

AM loop antenna (1)
FM wire antenna (1)
Speaker cords (2)
Remote (1)
R6(size AA) batteries (2)

Design and specifications are subject to change
without notice.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

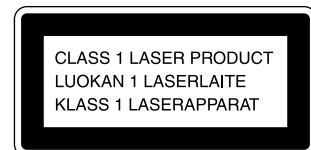
Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

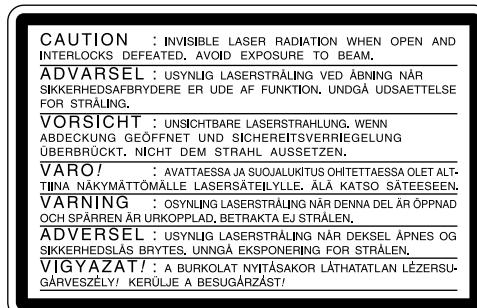
Flexible Circuit Board Repairing

- Keep the temperature of soldering iron around 270°C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.



This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.

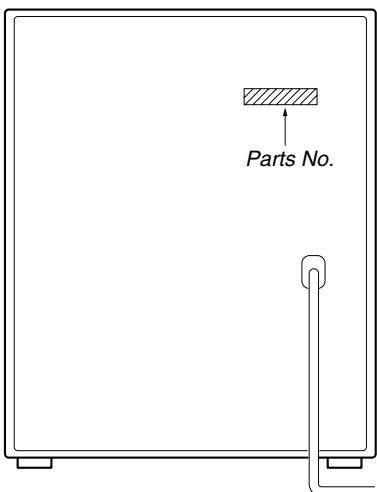


This caution label is located inside the unit.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY MARK OR DOTTED LINE WITH MARK ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

MODEL IDENTIFICATION — BACK PANEL —



| MODEL | PARTS No. |
|-------------------------|--------------|
| LX7: AEP, UK, CIS model | 4-225-529-1□ |
| LX8: E, AR model | 4-225-529-2□ |
| LX8: SP, MY model | 4-225-529-3□ |
| LX8: MX model | 4-225-529-4□ |
| LX8: AUS model | 4-225-529-5□ |
| LX8: EA model | 4-225-529-6□ |

- Abbreviation
 - SP : Singapore model
 - MX : Mexican model
 - AUS : Australian model
 - EA : Saudi Arabia model
 - AR : Argentine model
 - MY : Malaysia model

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body. During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.

The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

LASER DIODE AND FOCUS SEARCH OPERATION CHECK

Carry out the “S curve check” in “CD section adjustment” and check that the S curve waveform is output four times.

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SECTION 1

SERVICING NOTE

About CD-TEXT display

This unit is provided with a simple CD-TEXT display function.

The CD-TEXT contents of 20 tracks are displayed on the fluorescent display tube.

Since the function is simple, some special characters may not be displayed, or may be displayed as other characters.

MC Cold Reset

- The cold reset clears all data including preset data stored in the RAM to initial conditions. Execute this mode when returning the set to the customer.

Procedure:

1. Press three buttons **[\odot /CLOCK SET]**, **[ENTER]**, and **[$\text{V}\odot$]** simultaneously.
2. “COLD RESET” is displayed on the fluorescent display tube and reset is executed.

CD Delivery Mode

- This mode moves the pick-up to the position durable to vibration. Use this mode when returning the set to the customer after repair.

Procedure:

1. Press **[$\text{I}\odot$]** button to turn the set ON.
2. Press **[LOOP]** button and **[$\text{I}\odot$]** button simultaneously.
3. A message “LOCK” is displayed on the fluorescent indicator tube, and the CD delivery mode is set.

MC Hot Reset

- This mode resets the set with the preset data kept stored in the memory. The hot reset mode functions same as if the power cord is plugged in and out.

Procedure:

1. Press three buttons **[\odot /CLOCK SET]**, **[ENTER]**, and **[DISC 1]** simultaneously.
2. The fluorescent indicator tube becomes blank instantaneously, and the set is reset.

Sled Servo Mode

- This mode can run the CD sled motor freely. Use this mode, for instance, when cleaning the pick-up.

Procedure:

1. Press **[$\text{I}\odot$]** button to turn the set ON.
2. Press three buttons **[\odot /CLOCK SET]**, **[ENTER]**, and **[DISC 5]** simultaneously.
3. The Sled Servo mode is selected, if “CD” is blanking on the fluorescent indicator tube.
4. With the CD in stop status, When the **[\blacktriangleleft AMS \triangleright]** knob is rotated in the clockwise direction, the pick-up moves outside. When rotated counterclockwise, it moves inside.
5. To exit from this mode, perform as follows:
 - 1) Move the pick-up to the most inside track.
 - 2) Execute MC cold reset. (Press the three buttons **[\odot /CLOCK SET]**, **[ENTER]**, and **[$\text{I}\odot$]** button simultaneously.)

Note:

- Always move the pick-up to most inside track when exiting from this mode. Otherwise, a disc will not be unloaded.
- Do not run the sled motor excessively, otherwise the gear can be chipped.

Change-over of AM Tuner Step between 9kHz and 10kHz

- A step of AM channels can be changed over between 9kHz and 10kHz.

Procedure:

1. Press **[$\text{I}\odot$]** button to turn the set ON.
2. Select the function “TUNER”, and press **[TUNER/BAND]** button to select the BAND “AM”.
3. Press **[$\text{I}\odot$]** button to turn the set OFF.
4. Press **[ENTER]** and **[$\text{I}\odot$]** buttons simultaneously, and the display of fluorescent indicator tube changes to “AM 9k STEP” or “AM 10k STEP”, and thus the channel step is changed over.

LED and Fluorescent Indicator Tube All Lit, Key Check Mode

Procedure:

1. Press three buttons **[\odot /CLOCK SET]**, **[ENTER]**, and **[DISC 2]** simultaneously.
2. LEDs and fluorescent indicator tube are all turned on.
Press **[DISC 2]** button, and the key check mode is activated.
3. In the key check mode, the fluorescent indicator tube displays “K @ V0 J0”. Each time a button is pressed, “K” value increases. However, once a button is pressed, it is no longer taken into account.
“J” Value increases like 1, 2, 3 ... if rotating **[\blacktriangleleft AMS \triangleright]** knob in “+” direction, or it decreases like 0, 9, 8 ... if rotating in “-” direction.
“V” Value increases like 1, 2, 3 ... if rotating **[VOLUME]** knob in “+” direction, or it decreases like 0, 9, 8 ... if rotating in “-” direction.
4. To exit from this mode, press three buttons in the same manner as step 1, or disconnect the power cord.

AMS Test Mode

- This mode is used for checking the AMS operations of the tape deck.

JIG

7-819-039-12 Alignment tape, AMS-110A

Procedure:

1. Press the **I/** button to turn the set ON.
2. Set the tape (AMS-110A).
3. Press the three buttons **②/CLOCK SET**, **ENTER**, and **DISC 3** button simultaneously.
4. “TEST MODE” is displayed on the fluorescent display tube.
5. Press the **FUNCTION** button and switch the function to the deck with the tape (AMS-110A).
6. Press the **CD SYNC** button. “AMS CHECK” is displayed on the fluorescent display tube and the tape is rewound.
7. AMS starts in the normal direction. If the AMS count is 2 at shut down, proceed to step 8.
“NG” is displayed at other times, and the deck stops.
8. AMS starts in the opposite direction. If the AMS count is 2 at shut down again, “OK” is displayed.
“NG” is displayed at other times.

Aging Mode

During the aging mode, both the CD player and tape deck are executed together.

• If an error occurs:

Aging stops, and the error state is displayed on the fluorescent display tube.

• If no error occurs:

Aging is repeated.

Procedure:

1. Press the **I/** button to turn the set ON.
2. Load 10 minute tapes with unbent rec-proof tabs in decks A and B.
3. Set CDs on the DISC 1 and DISC 4 tables.
4. Set the CD mode REPEAT to OFF and PLAY MODE to ALL DISCS.
(Press the **PLAY MODE** and **REPEAT** buttons to set these modes.)
5. Press the **FUNCTION** button to switch the function to “CD”.
6. Press the three buttons **②/CLOCK SET**, **ENTER**, and **DISC 4** button simultaneously.
7. Aging starts.
8. To end aging, press the **I/** button to turn the set OFF.

Aging Sequence:

Aging is performed in the following sequence.

• Tape Deck

1. The tape in deck A is rewound. “TAPE A AG-1” is displayed.
2. The FWD side of deck A is played for two minutes.
“TAPE A AG-2” is displayed.
3. The tape in deck A is fast forwarded. “TAPE A AG-3” is displayed. Fast forward is carried out for 20 seconds or to the tape end.
4. The RVS side of deck A is played for two minutes.
“TAPE A AG-4” is displayed.
5. The tape in deck A is rewound. “TAPE A AG-5” is displayed.
6. The FWD side of deck B is played for two minutes.
“TAPE B AG-2” is displayed.
7. The tape in deck B is fast forwarded. “TAPE B AG-3” is displayed. Fast forward is carried out for 20 seconds or to the tape end.
8. The RVS side of deck B is played for two minutes.
“TAPE B AG-4” is displayed.
9. The tape in deck A is rewound. “TAPE A AG-5” is displayed.
10. Repeated from step 2.

• **CD**

1. The tray rotates.
2. DISC 1 is chucked.
3. The TOC is read.
4. The first track is played for 2 seconds.
5. The last track is played for 2 seconds.
6. The tray rotates.
7. DISC 4 is chucked.
8. The TOC is read.
9. The first track is played for 2 seconds.
10. The last track is played for 2 seconds.
11. Repeated from step 1.

• Display when ended abnormally

When the tape deck is abnormal:

The state when ended abnormally is displayed.
The contents of display are the same as that during aging.

When the CD player is abnormal:

A message indicating that errors such as “CD MEC ERR” have occurred.
Check the error contents in the following error history display mode.

Error History Display Mode

Mode which enables the history of error occurring in the CD player to be checked.
Execute this mode after ending the aging mode.

Procedure:

1. Press the **[VOL]** button to turn the set ON.
2. Press the three buttons **[⊖/CLOCK SET]**, **[ENTER]**, and **[CD SYNC]** simultaneously.
3. A message such as “EMC@@EDC**” is displayed.
@@ : Number of mechanical errors (Up to three past errors)
** : Number of errors (NO DISC ERROR) which occurs after chucking (Up to three past errors)
4. When checking the history of mechanical errors, press the **[PLAY MODE]** button. When checking errors after chucking, press the **[REPEAT]** button to switch the display.
5. Press the **[VOL]** button to end and turn the set OFF.
6. To erase the error history, perform COLD reset.
(Press the three buttons **[⊖/CLOCK SET]**, **[ENTER]**, and **[DISC 1]** simultaneously.)

- Viewing the mechanical error history display
(Switch the history by pressing the **[PLAY MODE]** button.)

Display

E@ @M#*****

@@ : Error number. 00 is the newest.

: Operating state of table

0 : Currently in the INITIAL mode

7 : Currently rotating to the right

8 : Currently rotating to the left

A : Currently chucking down

B : Currently chucking up

* : Invalid

- Viewing the NO DISC ERROR history display
(Switch the history by pressing the [REPEAT] button.)

Display

E@ @D##\$\$%*

@@ : Error number. 00 is the newest

: Error contents

01: Focus error

02: GFS error

03: Setup error

\$\$: Retries

00: NO DISC is determined without attempting chucking retry
02: NO DISC is determined after chucking retry.

% : State when determined as NO DISC

1 : When stopped

2 : At setup

3 : At TOC READ

4 : When accessing

5 : When playing

6 : When pausing

7 : When manual searching (during play)

8 : When manual searching (during pausing)

* : Invalid

SECTION 2 GENERAL

Front Panel

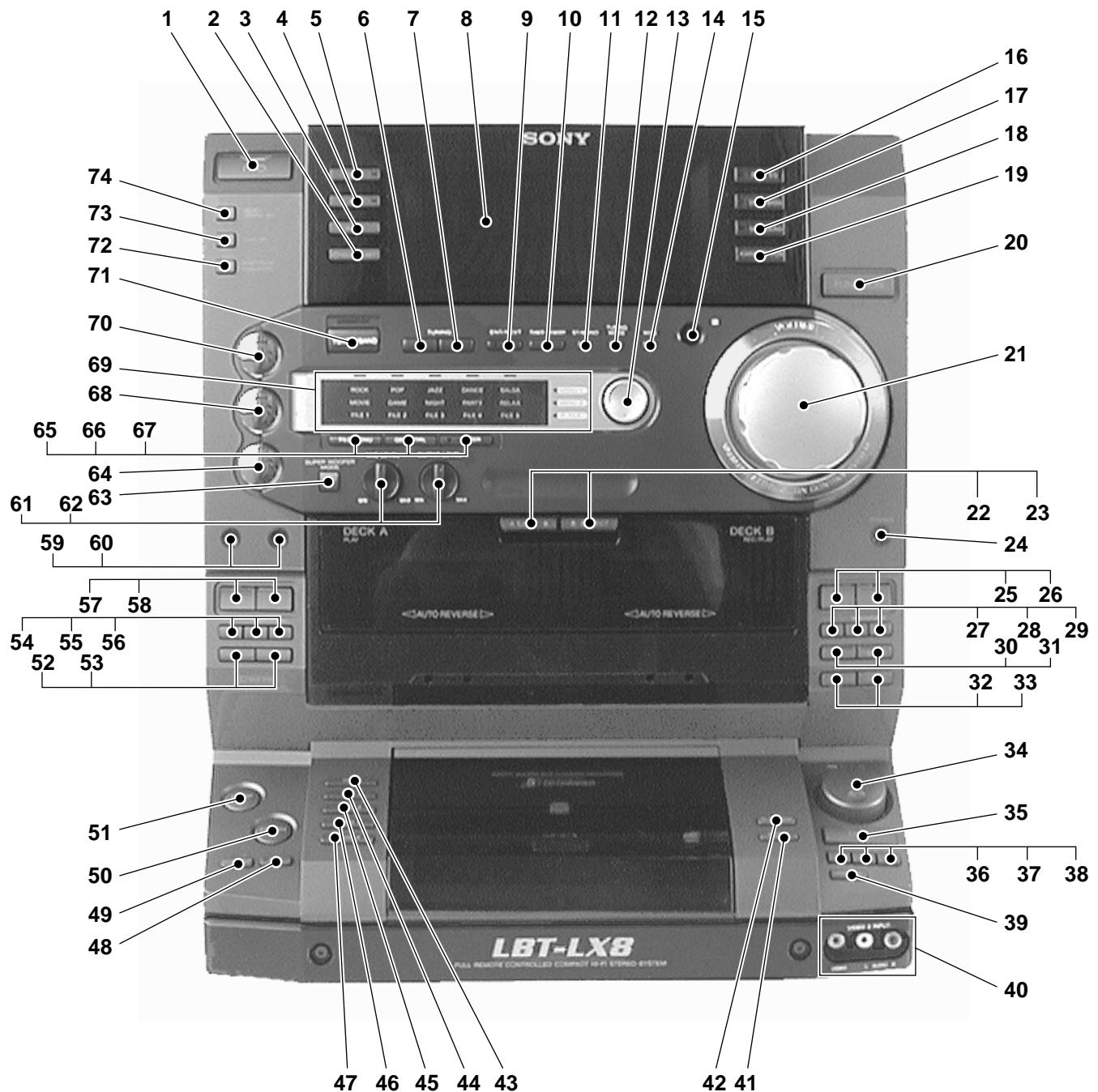


Photo : HCD-LX8

LOCATION OF PARTS AND CONTROLS

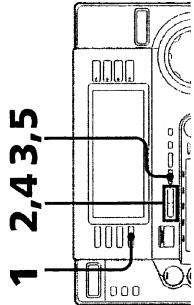
| | | |
|--|--|--------------------------------------|
| 1 I/ (Power) button and indicator | 26 ▷ (B Deck) button and indicator | 51 LOOP button |
| 2 ⊕/CLOCK SET button | 27 ■ (B Deck) button | 52 DIRECTION button |
| 3 SLEEP button | 28 ◀ (B Deck) button | 53 DOLBY NR button |
| 4 REC button and indicator | 29 ▶ (B Deck) button | 54 ■ (A Deck) button |
| 5 DAILY button and indicator | 30 II (B Deck) button and indicator | 55 ◀ (A Deck) button |
| 6 TUNING - button | 31 ● REC (B Deck) button and indicator | 56 ▶ (A Deck) button |
| 7 TUNING + button | 32 HI-SPEED DUB button | 57 △ (A Deck) button |
| 8 Display window | 33 CD SYNC button | 58 ▷ (A Deck) button |
| 9 ENTER/NEXT button and indicator | 34 ◀ AMS ▶ knob | 59 MIX MIC jack |
| 10 TUNER MEMORY button | 35 ▷ II (CD) button and indicator | 60 GUITAR jack |
| 11 STEREO/MONO button | 36 ■ (CD) button | 61 MIC LEVEL knob |
| 12 TUNING MODE button | 37 ◀ (CD) button | 62 GUITAR LEVEL knob |
| 13 GEQ control button | 38 ▶ (CD) button | 63 SUPER WOOFER MODE button |
| 14 PTY button (LX7 model only) | 39 DISK SKIP button | 64 SUPER WOOFER button and indicator |
| 15 Remote sensor | 40 VIDEO2 INPUT jacks | 65 FILE MENU button |
| 16 SYNC EQ button | 41 REPEAT button | 66 GEQ CTRL button |
| 17 SYNC BASS button | 42 PLAY MODE button | 67 ENTER button and indicator |
| 18 SURROUND button and indicator | 43 DISC 1 button | 68 GROOVE button and indicator |
| 19 KARAOKE PON button | 44 DISC 2 button | 69 Equalizer indicators |
| 20 FUNCTION button | 45 DISC 3 button | 70 EFFECT button and indicator |
| 21 VOLUME knob | 46 DISC 4 button | 71 TUNER/BAND button |
| 22 ▲ (A Deck) button | 47 DISC 5 button | 72 SPECTRUM ANALYZER button |
| 23 ▲ (B Deck) button | 48 EDIT button | 73 DISPLAY button |
| 24 PHONES jack | 49 NON-STOP button and indicator | 74 DEMO (STANDBY) button |
| 25 △ (B Deck) button and indicator | 50 FLASH button | |

- AMS is the abbreviation for Automatic Music Sensor.

This section is extracted from instruction manual.

Step 3: Setting the time

You must set the time before using the timer functions. The clock is on a 24-hour system for European models, and a 12-hour system for other models. The 24-hour system model is used for illustration purposes.



1 Press **⊕/CLOCK SET**.
The hour indication flashes.



2 Press **TUNING +/ -** to set the hour.



3 Press **ENTER/NEXT**.
The minute indication flashes.



4 Press **TUNING +/ -** to set the minute.



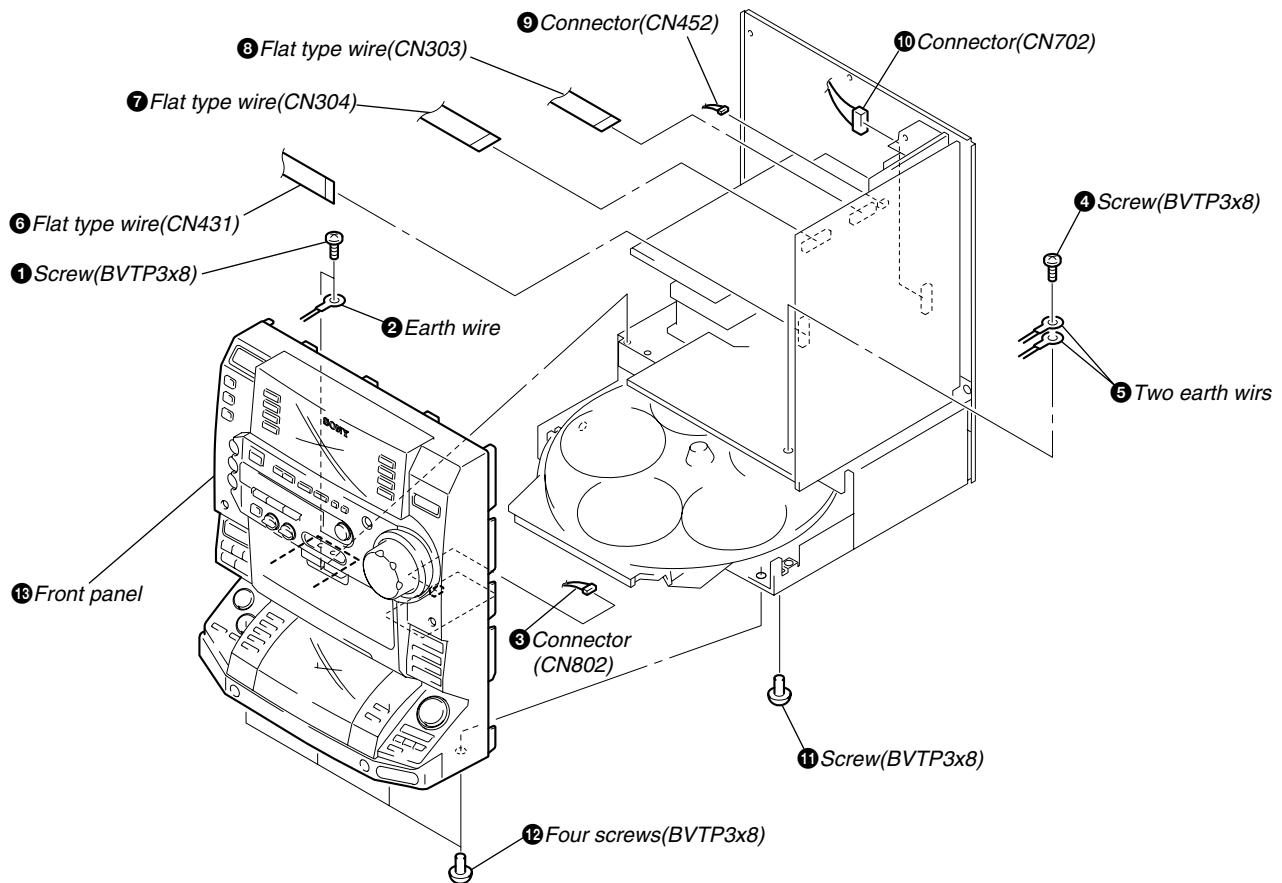
5 Press **ENTER/NEXT**.
The clock starts.

continued **7**

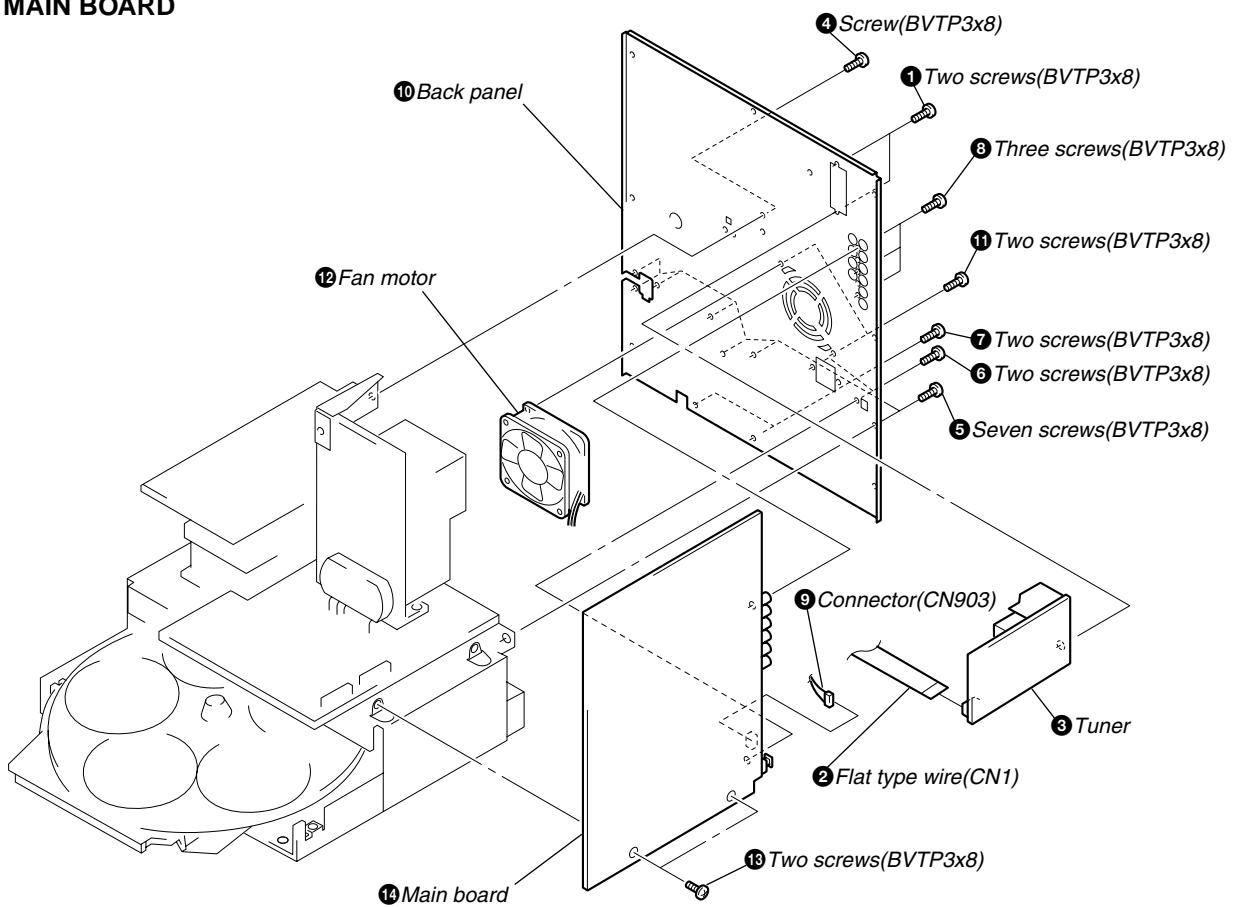
SECTION 3 DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

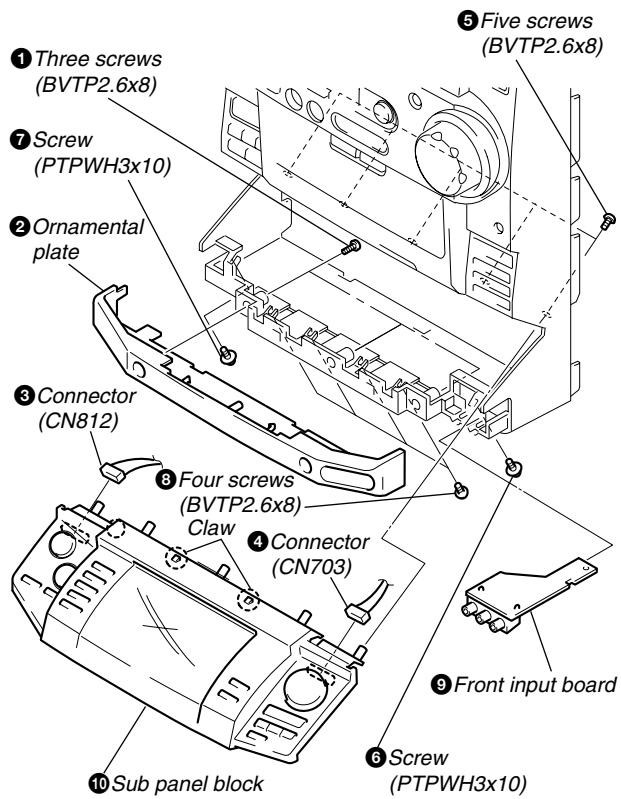
3-1. FRONT PANEL



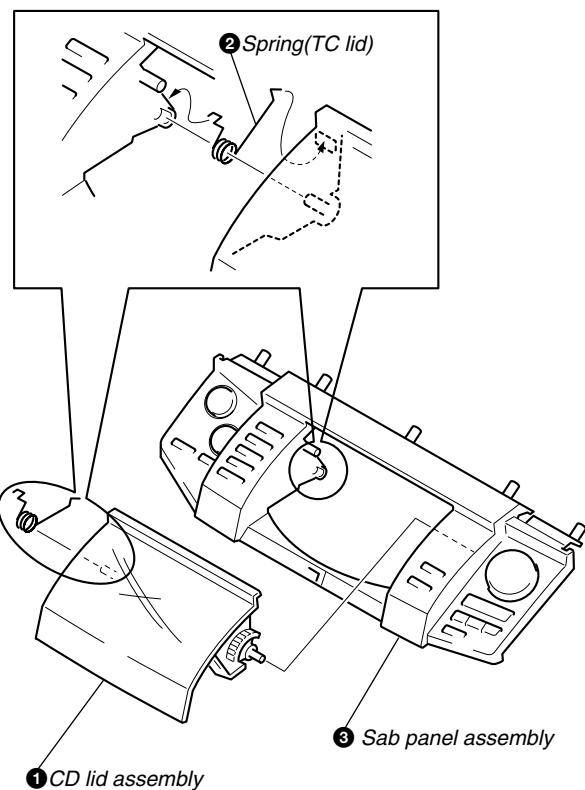
3-2. MAIN BOARD



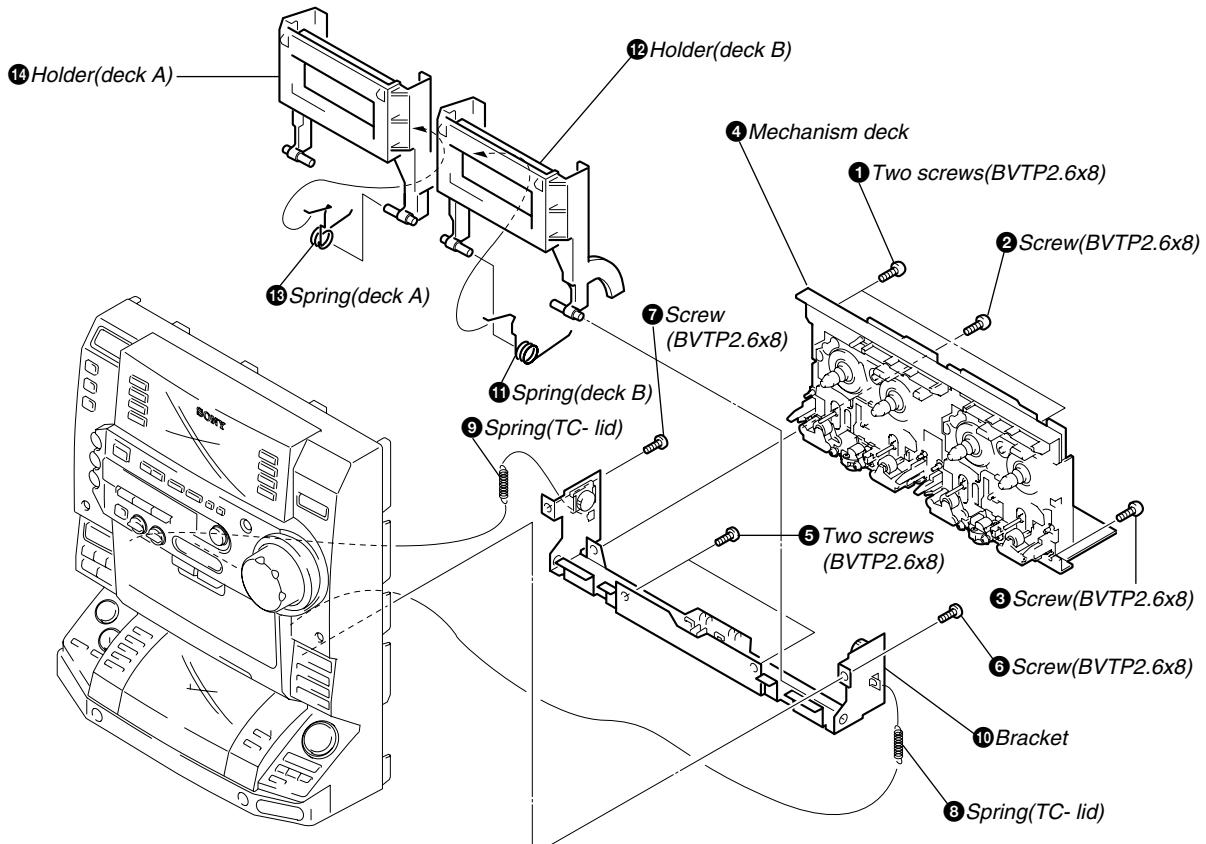
3-3. SUB PANEL



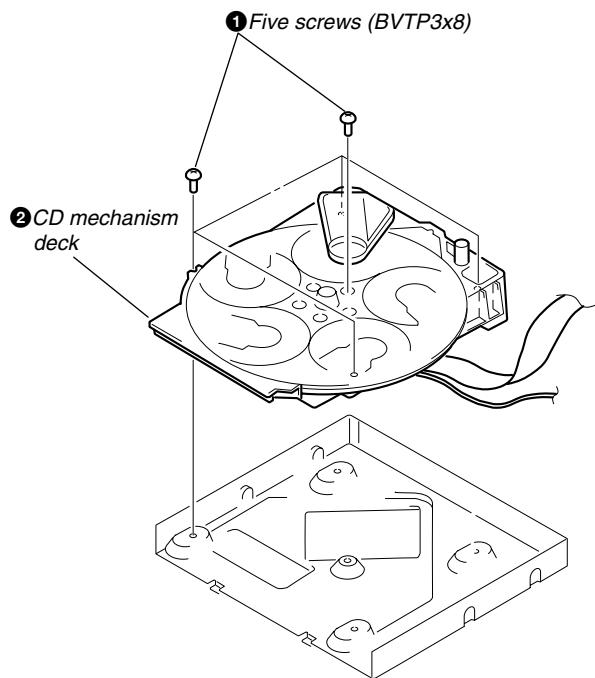
3-4. CD LID ASSEMBLY



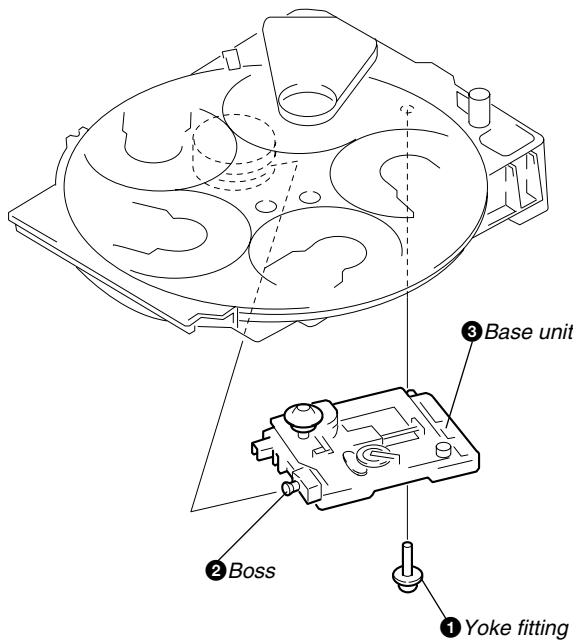
3-5. TAPE MECHANISM DECK AND CASSETTE LID



3-6. CD MECHANISM DECK



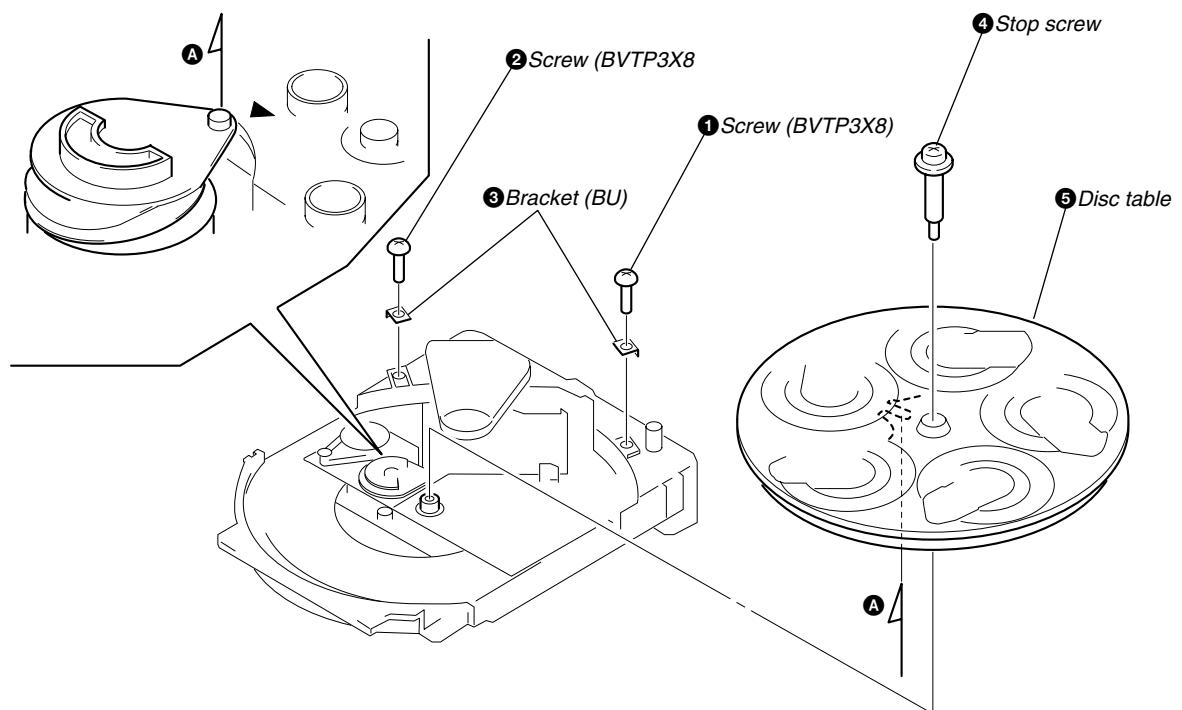
3-7. BASE UNIT



3-8. DISC TABLE

Note:

When the disc table is installed, adjust the positions of roller cam and mark ▶ as shown in the figure, then set to the groove of disc table.



SECTION 4 MECHANICAL ADJUSTMENTS

Precaution

1. Clean the following parts with a denatured alcohol-moistened swab:

| | |
|-----------------------|---------------|
| record/playback heads | pinch rollers |
| erase head | rubber belts |
| capstan | idle |
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

| Mode | Torque meter | Meter reading |
|---------------------|--------------|---|
| FWD | CQ-102C | 3.04 – 6.96 N • m (31 to 71 g • cm) (0.43 – 0.98 oz • inch) |
| FWD back tension | CQ-102C | 0.20 – 0.58 N • m (2 to 6 g • cm) (0.02 – 0.08 oz • inch) |
| REV | CQ-102RC | 3.04 – 6.96 N • m (31 to 71 g • cm) (0.43 – 0.98 oz • inch) |
| REV back tension | CQ-102RC | 0.20 – 0.58 N • m (2 to 6 g • cm) (0.02 – 0.08 oz • inch) |
| FF/REW | CQ-201B | 6.97 – 14.02 N • m (71 to 143 g • cm) (0.98 – 1.99 oz • inch) |
| FWD tension | CQ-403A | 0.98 N • m or more (100 g or more) (3.53 oz or more) |
| REV tension | CQ-403R | 0.98 N • m or more (100 g or more) (3.53 oz or more) |

SECTION 5 ELECTRICAL ADJUSTMENTS

DECK SECTION

0 dB=0.775V

1. Demagnetize the record/playback head with a head demagnetizer.
2. Do not use a magnetized screwdriver for the adjustments.
3. After the adjustments, apply suitable locking compound to the parts adjusted.
4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
5. The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
6. The adjustments should be performed for both L-CH and R-CH.
7. Switches and controls should be set as follows unless otherwise specified.

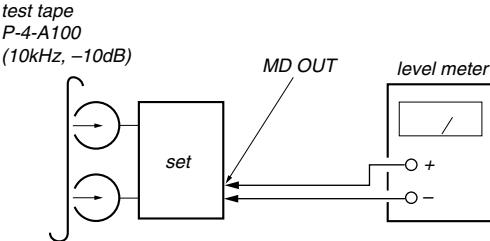
| Tape | Signal | Used for |
|----------|----------------|-----------------------|
| P-4-A100 | 10 kHz, -10 dB | Azimuth Adjustment |
| WS-48B | 3 kHz, 0 dB | Tape Speed Adjustment |
| P-4-L300 | 315 Hz, 0 dB | Level Adjustment |

Record/Playback Head Azimuth Adjustment (Deck A, Deck B)

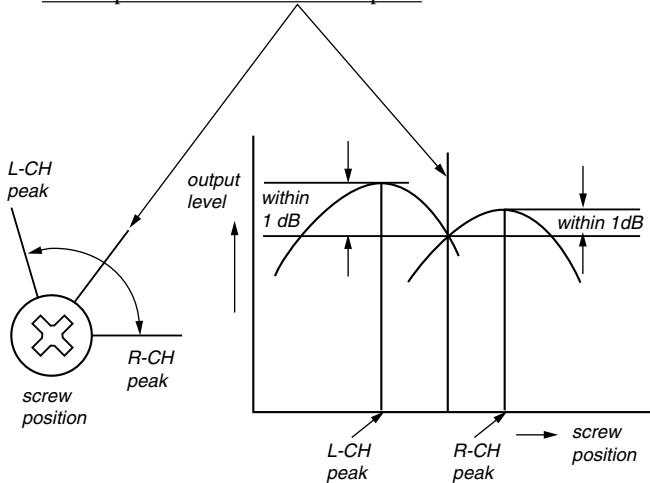
Note: Perform this adjustments for both decks.

Procedure:

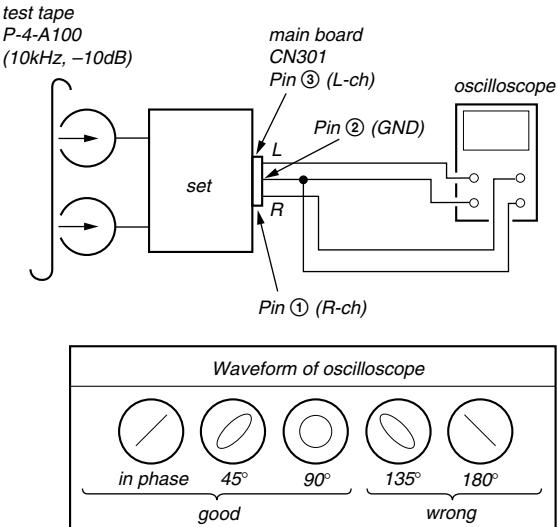
1. Mode : Playback



2. Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 1 dB of peak.

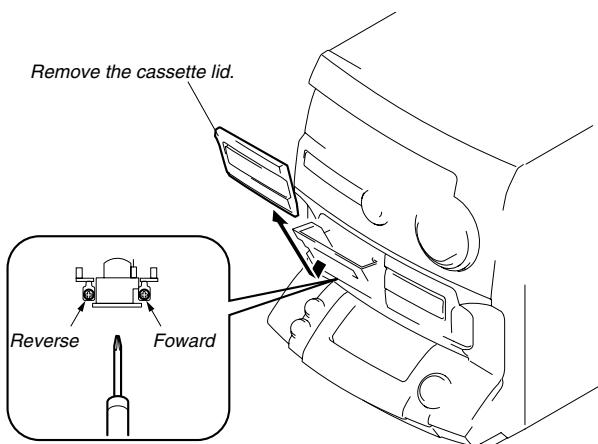


3. Mode: Playback



4. After the adjustments, apply suitable locking compound to the parts adjusted.

Adjustment Location: Playback Head (Deck A)
Record/Playback/Erase Head (Deck B)



Tape Speed Adjustment (Deck A)

Note: Set the test mode using the following method and begin tape speed adjustment.

In the test mode, the speed will switch to double speed or normal speed each time the **[HI-SPEED DUB]** button is pressed.

Procedure:

With the power turned ON, press the **[CLOCK SET]** button, **[ENTER]** button, and **[DISC 3]** button simultaneously.

(The "VOLUME" on the fluorescent display tube will blink while in the test mode.)

To exit the test mode, press the **[VOL]** button.

1. Insert the WS-48B into deck B.
2. Press the **[DECK B]** button of deck B.
3. Press the **[HI-SPEED DUB]** button and play the tape at double speed.
4. Adjust RV1001 of the LEAF SW board so that the reading of the frequency counter becomes 6000 ± 180 Hz.
5. Press the **[HI-SPEED DUB]** button and play the tape at normal speed.
6. Adjust RV1002 of the LEAF SW board so that the reading of the frequency counter becomes 3000 ± 90 Hz.

Adjustment Location: LEAF SW board

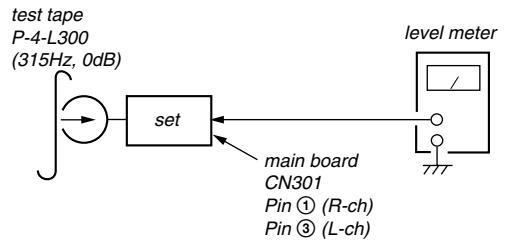
Sample Value of Wow and flutter

W.RMS (JIS) less than 0.3%
(test tape: WS-48B)

Playback Level Adjustment (Deck A, Deck B)

Procedure:

Mode: Playback



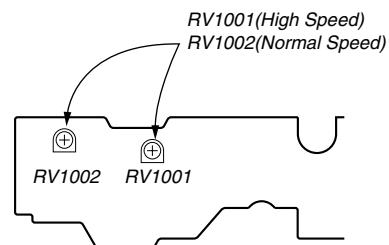
Deck A is RV311 (L-CH) and RV411 (R-CH), deck B is RV301 (L-CH) and RV401 (R-CH)
so that adjustment within the following adjustment level.

Adjustment level:

CN301 playback level: 301.5 to 338.3 mV (-8.2 to -7.2 dB)
level difference between the channels: within ± 0.5 dB

Adjustment Location: AUDIO board

Adjustment Location [LEAF SW BOARD]



Record Bias Adjustment (Deck B)

Procedure:

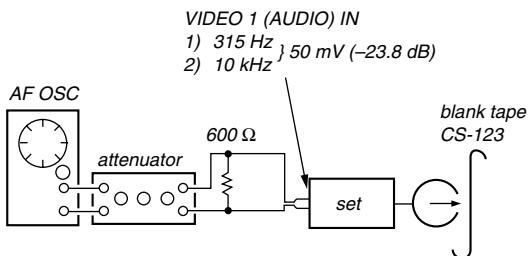
INTRODUCTION

When set to the test mode performed in **Tape Speed Adjustment**, when the tape is rewound after recording, the “REC memory mode” which rewinds only the recorded portion and playback is set.

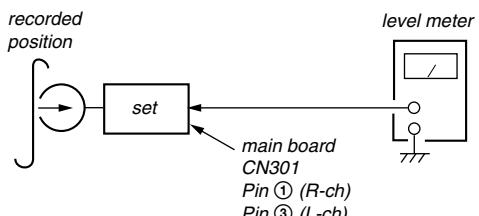
This “REC memory mode” is convenient for performing this adjustment. During recording, the input signal FUNCTION will automatically switch to VIDEO 1.

(After recording, press the  button without stopping will return to the position where recording was started.)

1. Press **FUNCTION** button to select VIDEO 1. (This step is not necessary if the above test mode has already been set.)
2. Insert a tape into deck B, press the  button, and then press the  button to start recording.
3. Mode: Record



4. Mode: Playback



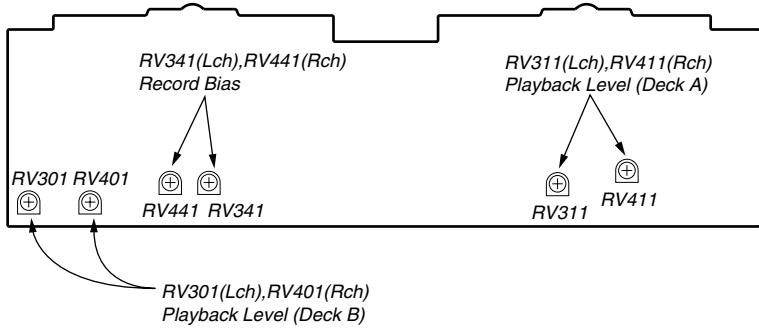
5. Confirm playback the signal recorded in step 2 become adjustment level as follows.

If these levels do not adjustment level, adjust the RV341 (L-CH) and RV441 (R-CH) on the AUDIO board to repeat steps 3 and 4.

Adjustment level: The playback output of 10 kHz level difference against 315 Hz reference should be ± 1.0 dB.

Adjustment Location: AUDIO board

Adjustment Location:
[AUDIO BOARD] (Conductor Side)



Record Level Adjustment (Deck B)

Procedure:

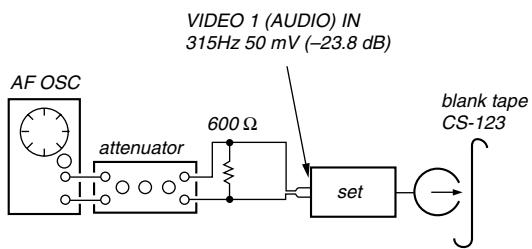
INTRODUCTION

When set to the test mode performed in **Tape Speed Adjustment**, when the tape is rewound after recording, the “REC memory mode” which rewinds only the recorded portion and playback is set.

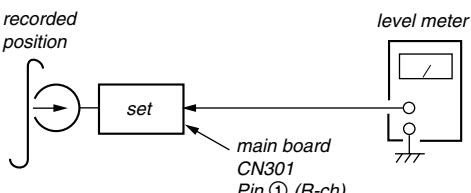
This “REC memory mode” is convenient for performing this adjustment. During recording, the input signal FUNCTION will automatically switch to VIDEO 1.

(After recording, press the  button without stopping will return to the position where recording was started.)

1. Press **FUNCTION** button to select VIDEO 1. (This step is not necessary if the above test mode has already been set.)
2. Insert a tape into deck B, press the  button, and then press the  button to start recording.
3. Mode: Record



4. Mode: Playback



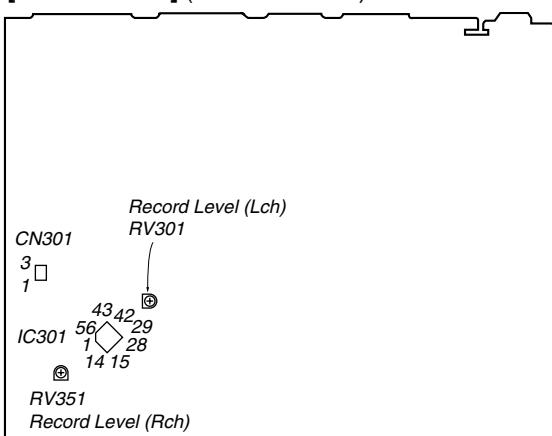
5. Confirm playback the signal recorded in step 2 become adjustment level as follows.

If these levels do not adjustment level, adjust the RV301 (L-CH) and RV351 (R-CH) on the MAIN board to repeat steps 3 and 4.

Adjustment level: CN301 playback level: 47.2 to 53.0 mV (-24.3 to -23.3 dB)

Adjustment Location: MAIN board

[MAIN BOARD] (Conductor Side)



SECTION 6

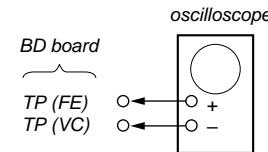
DIAGRAMS

CD SECTION

Note:

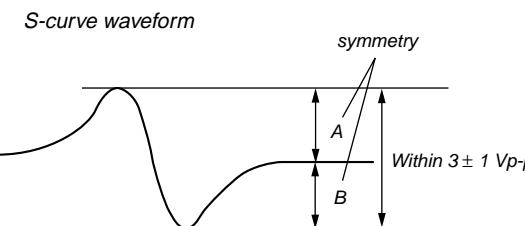
1. CD Block is basically constructed to operate without adjustment. Therefore, check each item in order given.
2. Use YEDS-18 disc (3-702-101-01) unless otherwise indicated.
3. Use an oscilloscope with more than $10M\Omega$ impedance.
4. Clean the object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.

S Curve Check



Procedure :

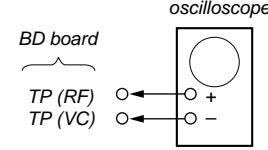
1. Connect the oscilloscope to test points TP (FE) and TP (VC).
2. Connect TP (FE1) and GND, and TP (AGCCON) and GND of the BD board with lead wires.
3. Press the **[V/]** button to turn the set ON.
4. With the disc (YEDS-18) loaded, press the **[▶II]** button and perform focus search. (Focus search will be performed in the same way even while the disc table is pushed in and out.)
5. Check the symmetry and peak to peak level of the oscilloscope waveform (S curve) at this time.



6. After check, remove the lead wire connected in step 2.

Note: • Try to measure several times to make sure than the ratio of A : B or B : A is more than 10 : 7.
• Take sweep time as long as possible and light up the brightness to obtain best waveform.

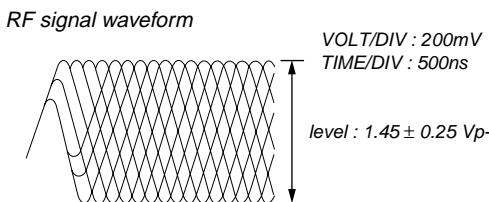
RF Level Check



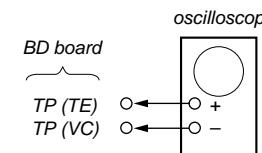
Procedure :

1. Connect oscilloscope to test point TP (RF) and TP (VC) on BD board.
2. Press the **[V/]** button to turn the set ON.
3. Put disc (YEDS-18) in and playback 5 track.
4. Confirm that oscilloscope waveform is clear and check RF signal level is correct or not.

Note: Clear RF signal waveform means that the shape “◊” can be clearly distinguished at the center of the waveform.



E-F Balance (1 Track Jump) check



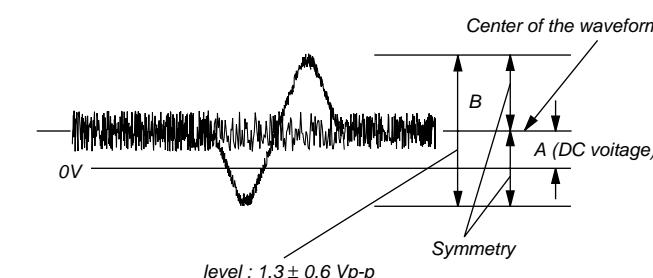
Procedure:

1. Connect oscilloscope to test point TP (TE) on BD board.
2. Press the **[V/]** button to turn the unit ON.
3. Put disc (YEDS-18) in to play the number five track.
4. Press the **[▶II]** button.
5. Check the level B of the oscilloscope's waveform and the A (DC voltage) of the center of the Traverse waveform.

Confirm the following:

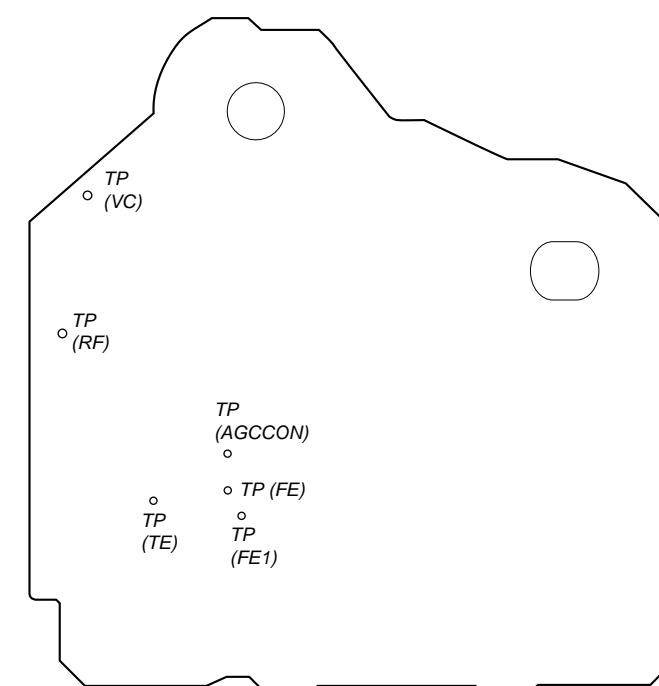
- $A/B \times 100 = \text{less than } \pm 22 \text{ (%)}$
- $B = 1.3 \pm 0.6 \text{ Vp-p}$

1 track jump waveform

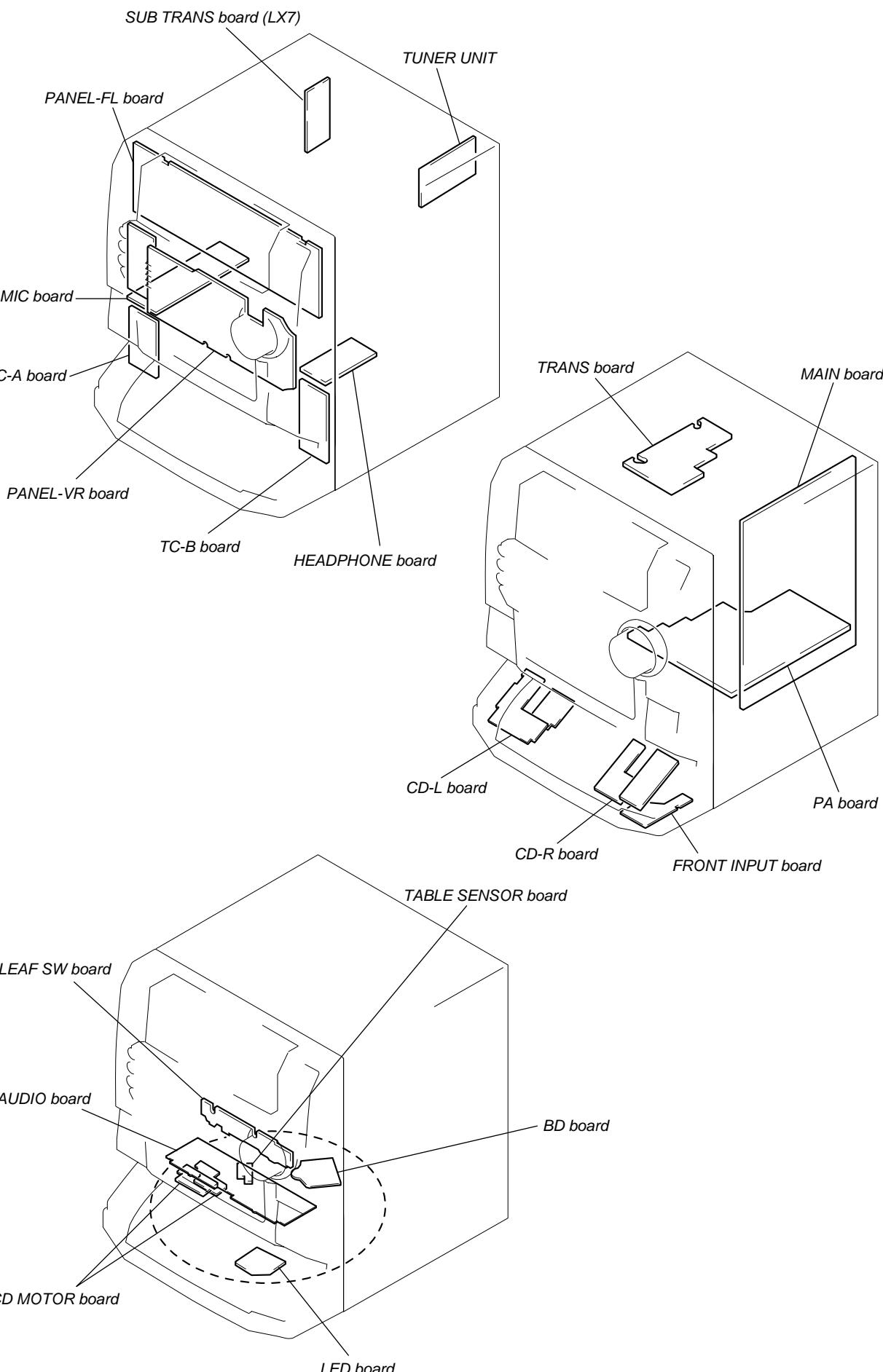


Adjustment Location :

[BD BOARD] — SIDE A —

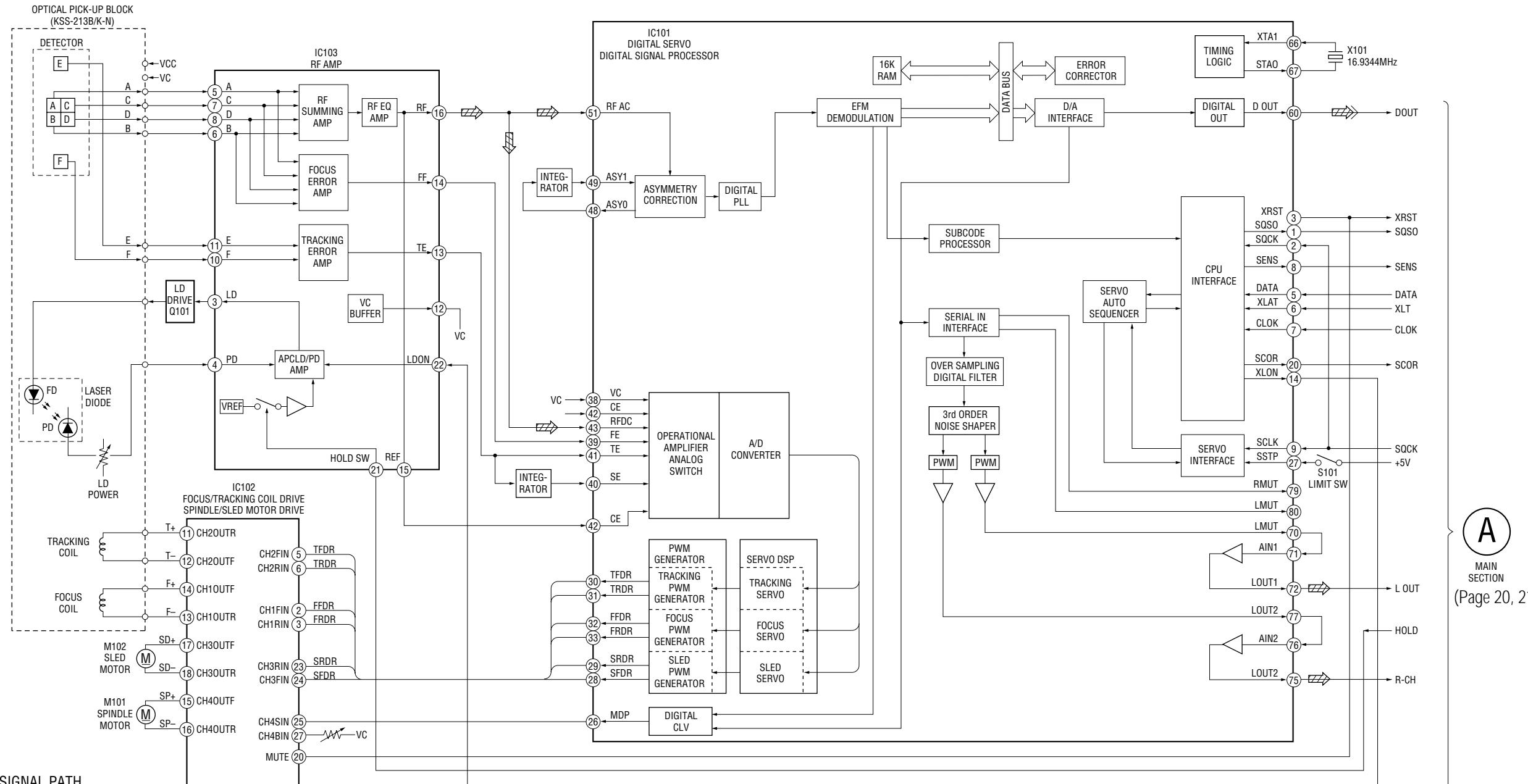


6-1. CIRCUIT BOARDS LOCATION

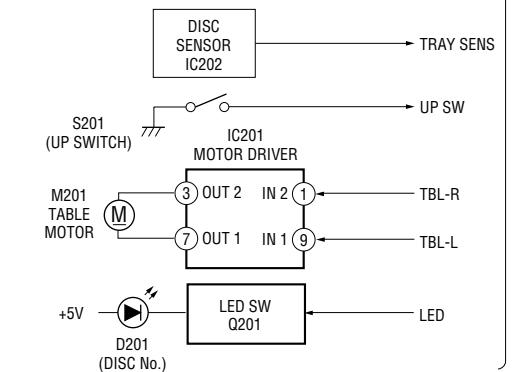


6-2. BLOCK DIAGRAMS

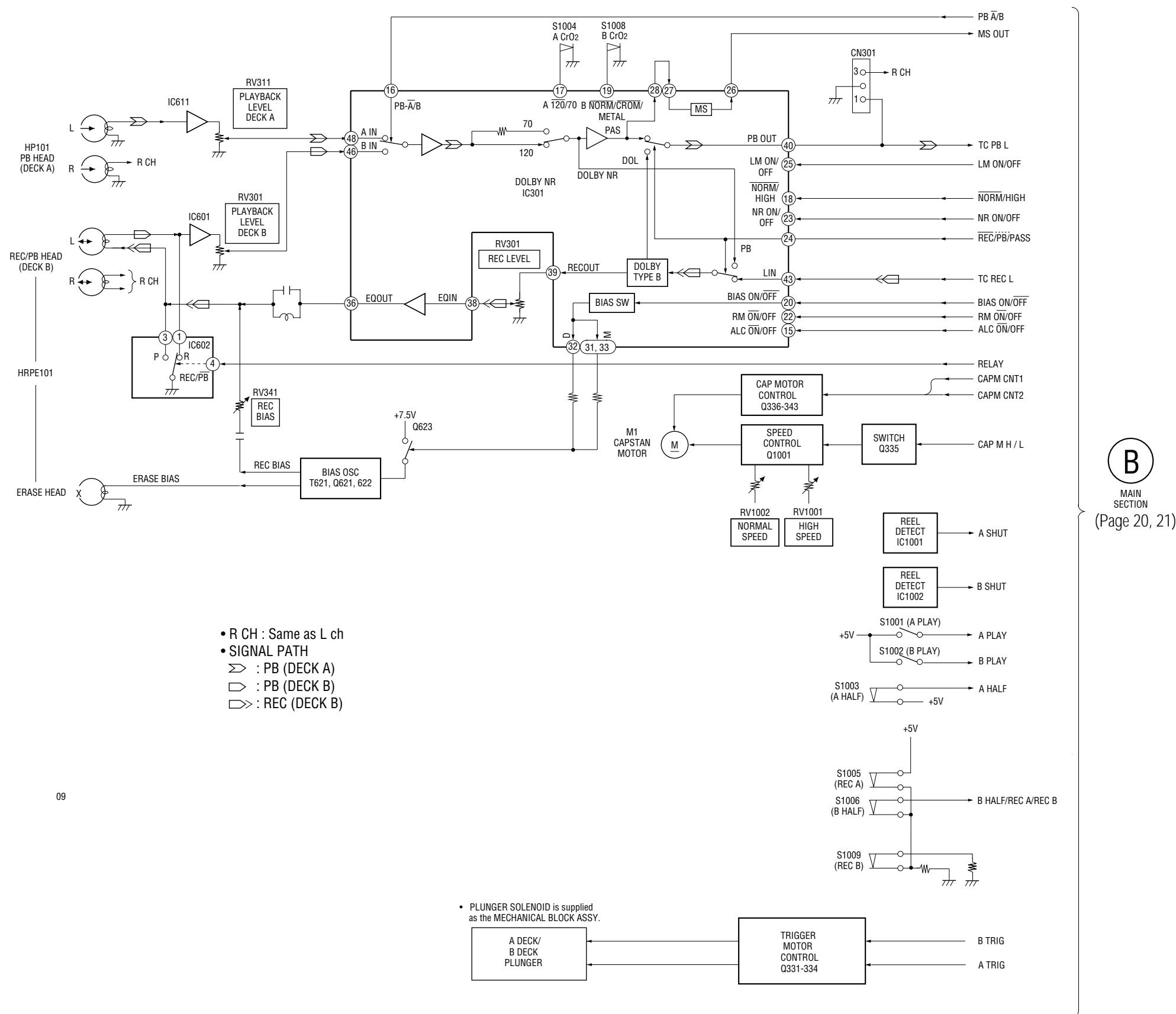
- BD (CD) SECTION -



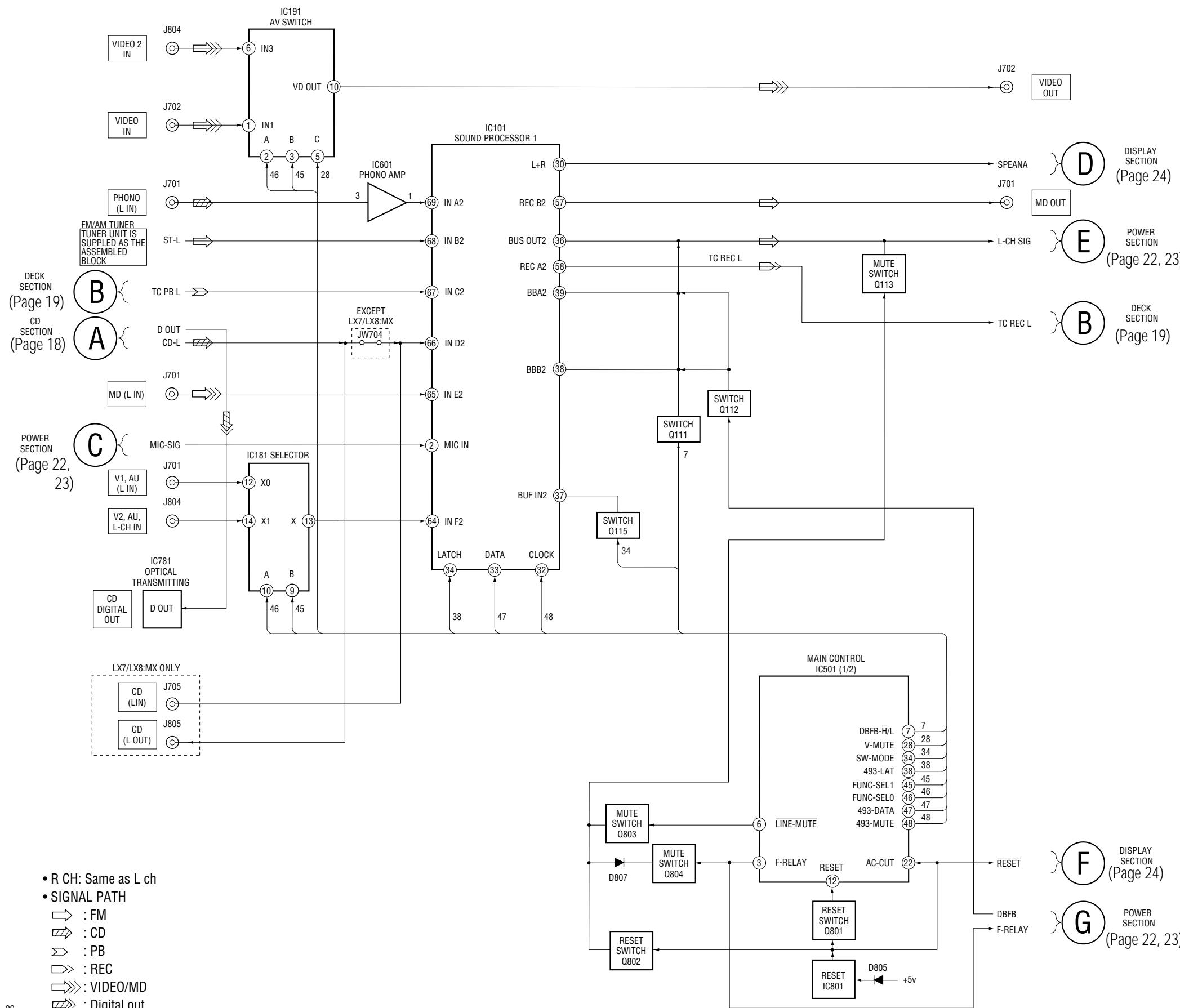
09



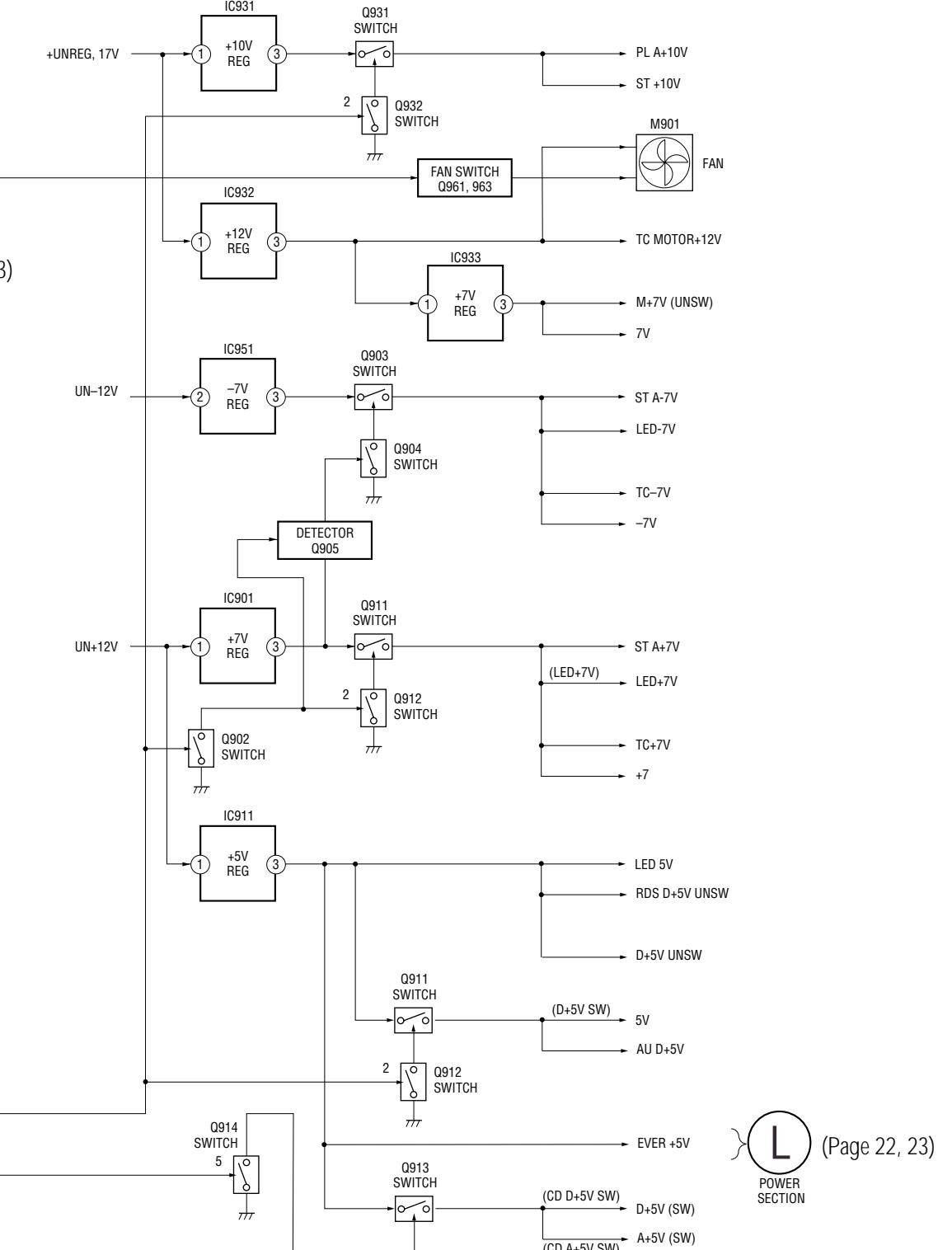
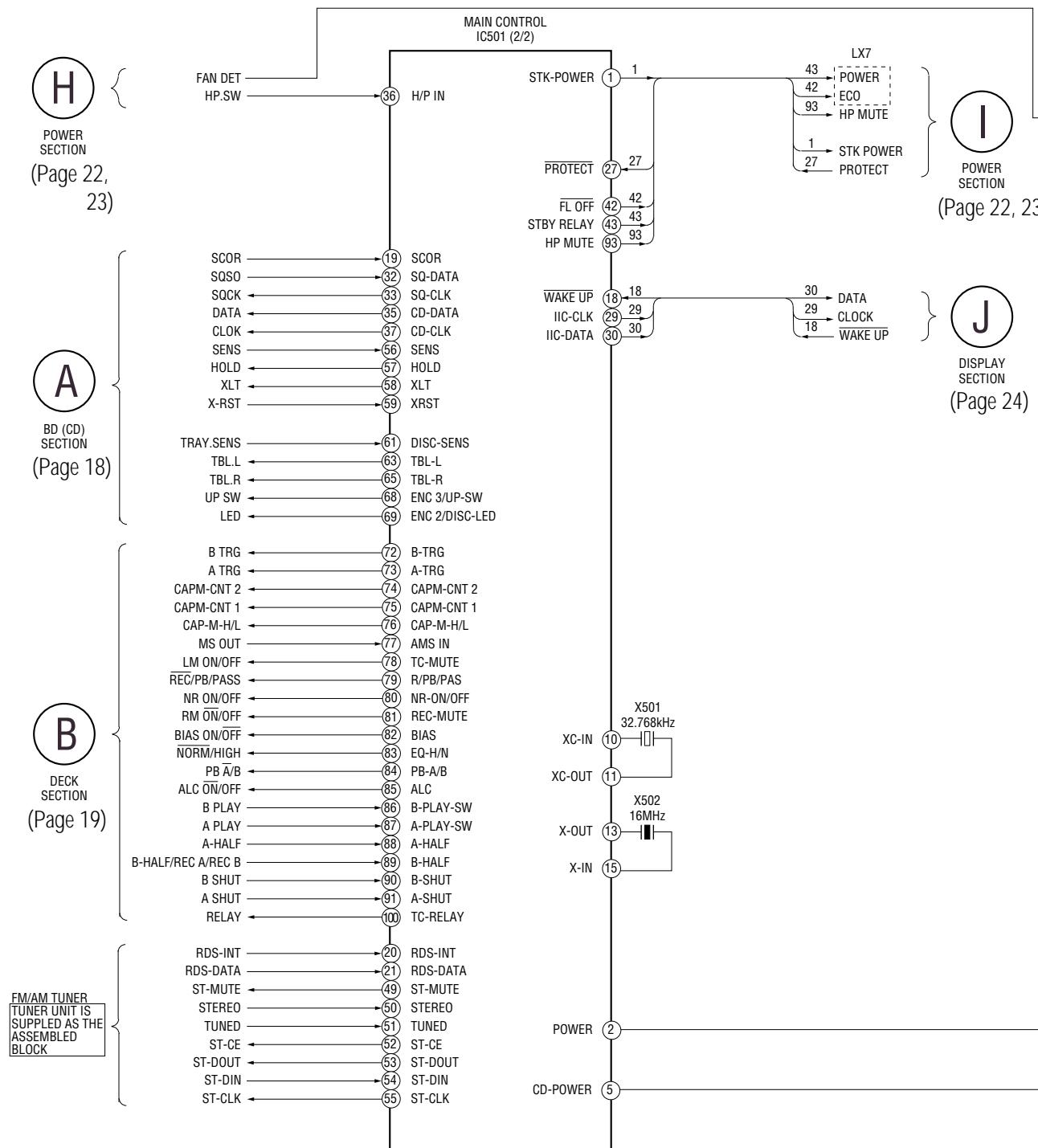
- DECK SECTION -



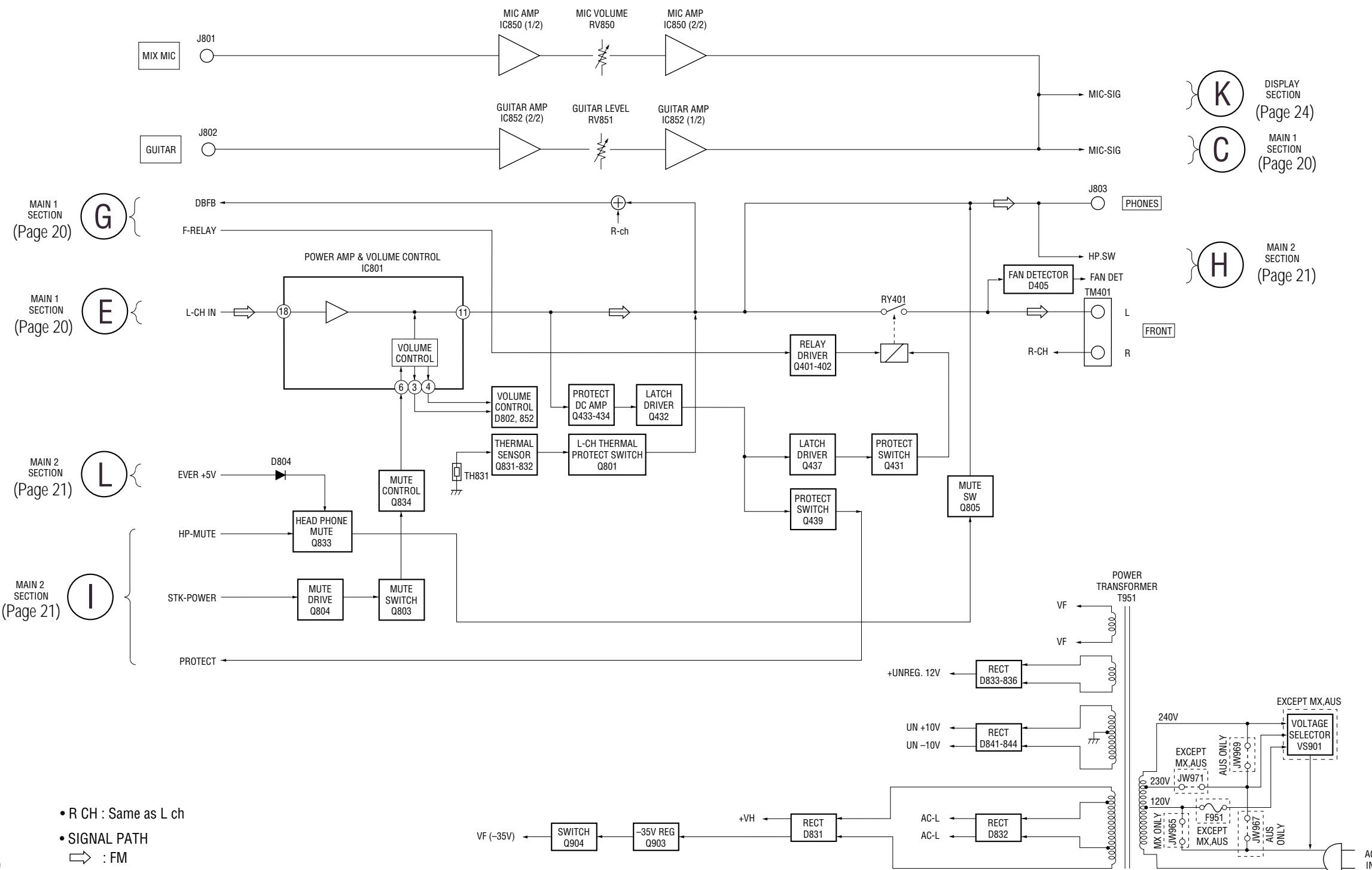
- MAIN (1/2) SECTION -



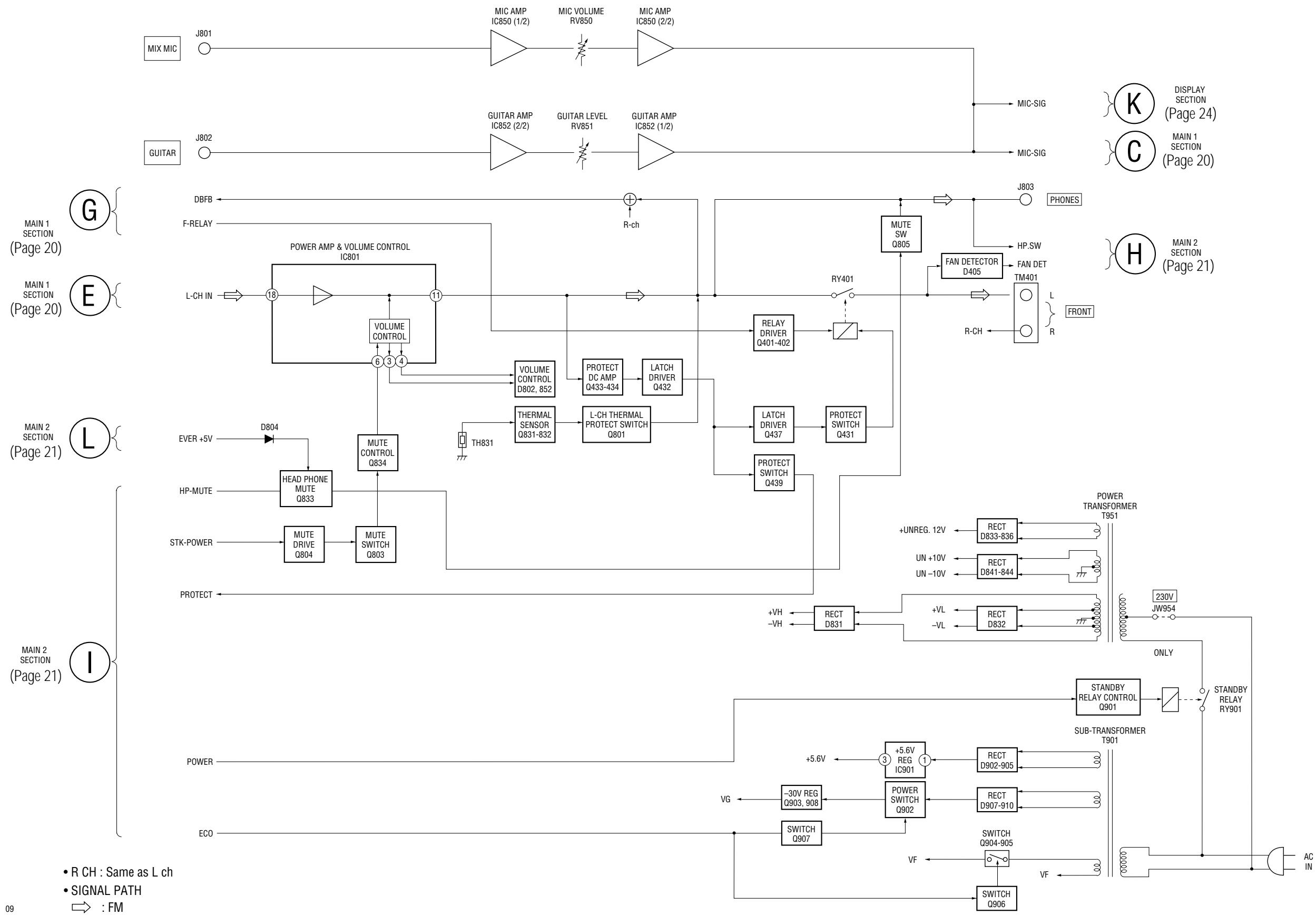
- MAIN (2/2) SECTION -



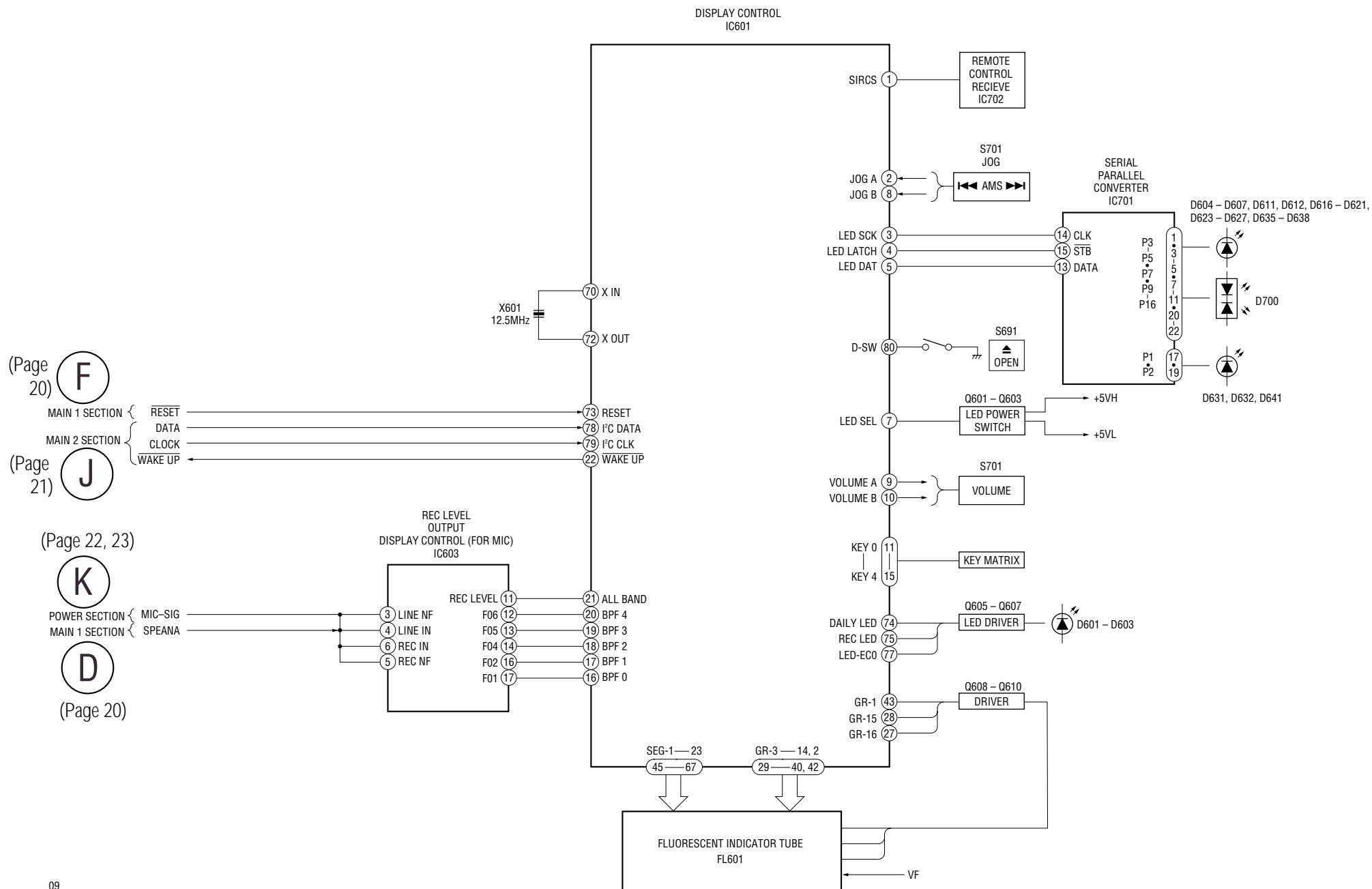
- POWER SECTION – (LX8 model)



– POWER SECTION – (LX7 model)



- DISPLAY SECTION -



THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.

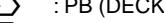
(In addition to this, the necessary note is printed in each block.)

For schematic diagrams.

Note:

- All capacitors are in μF unless otherwise noted. pF : μF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4 \text{W}$ or less unless otherwise specified.
- \triangle : internal component.
-  : nonflammable resistor.
-  : fusible resistor.
-  : panel designation.

Note: The components identified by mark \triangle or dotted line with mark \triangle are critical for safety.
Replace only with part number specified.

-  : B+ Line.
-  : B- Line.
-  : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (Input impedance $10 \text{M}\Omega$). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circle numbers refer to waveforms.
- Signal path.
 -  : FM
 -  : VIDEO/MD
 -  : PB (DECK A)
 -  : PB (DECK B)
 -  : REC (DECK B)
 -  : CD
 -  : digital out
 -  : PHONO
- Abbreviation
 - EA : Saudi Arabia model.
 - AR : Argentine model.
 - SP : Singapore model.
 - MY : Malaysia model.
 - MX : Mexican model.
 - AUS : Australian model.

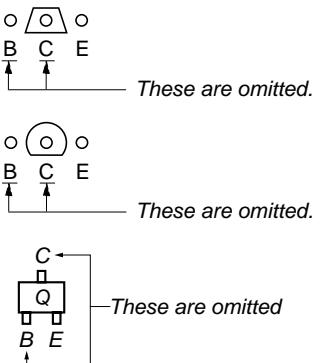
For printed wiring boards.

Note:

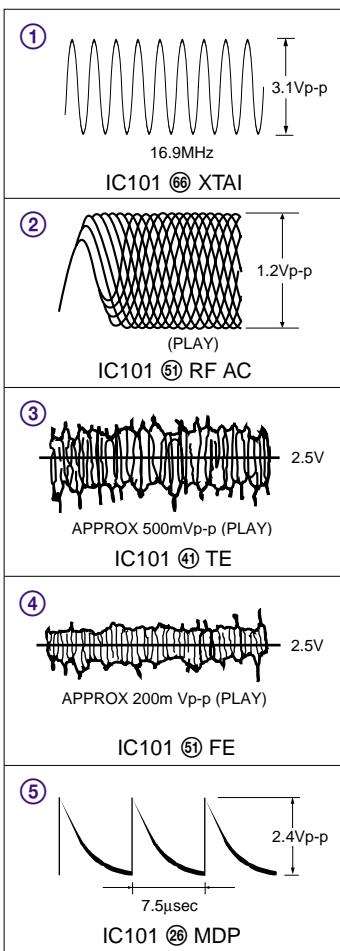
-  : parts extracted from the component side.
-  : Through hole.
-  : Pattern from the side which enables seeing.
(The other layers' patterns are not indicated.)

Caution:
Pattern face side: Parts on the pattern face side seen from the (Side B) pattern face are indicated.
Parts face side: Parts on the parts face side seen from the (Side A) parts face are indicated.

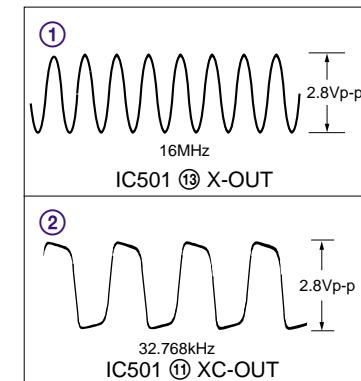
• Indication of transistor



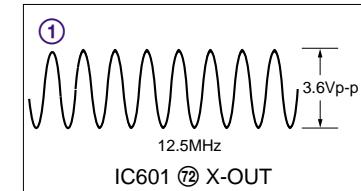
WAVEFORMS - BD (CD) SECTION -



- MAIN (2/3) SECTION -



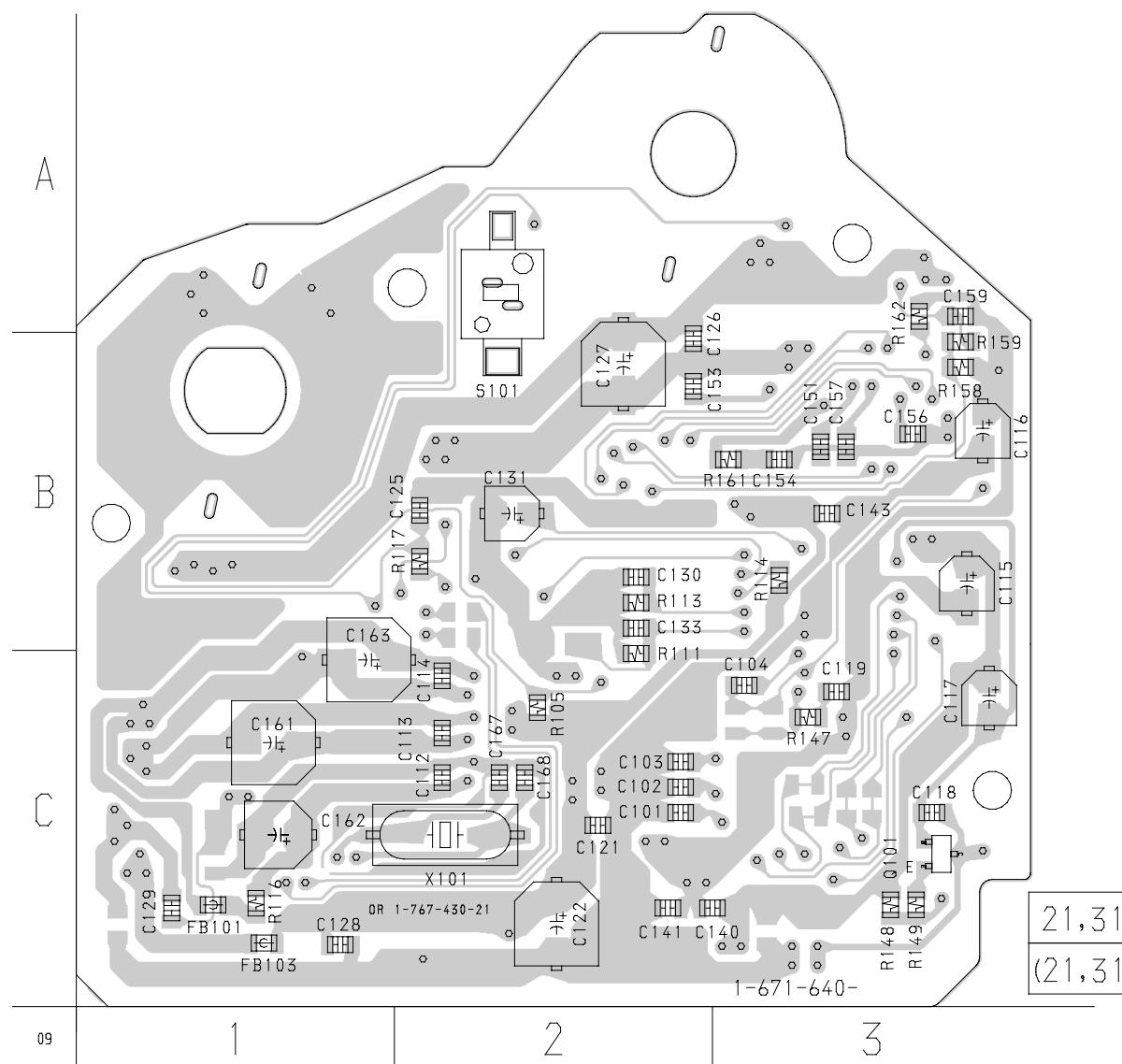
- PANEL FL SECTION -



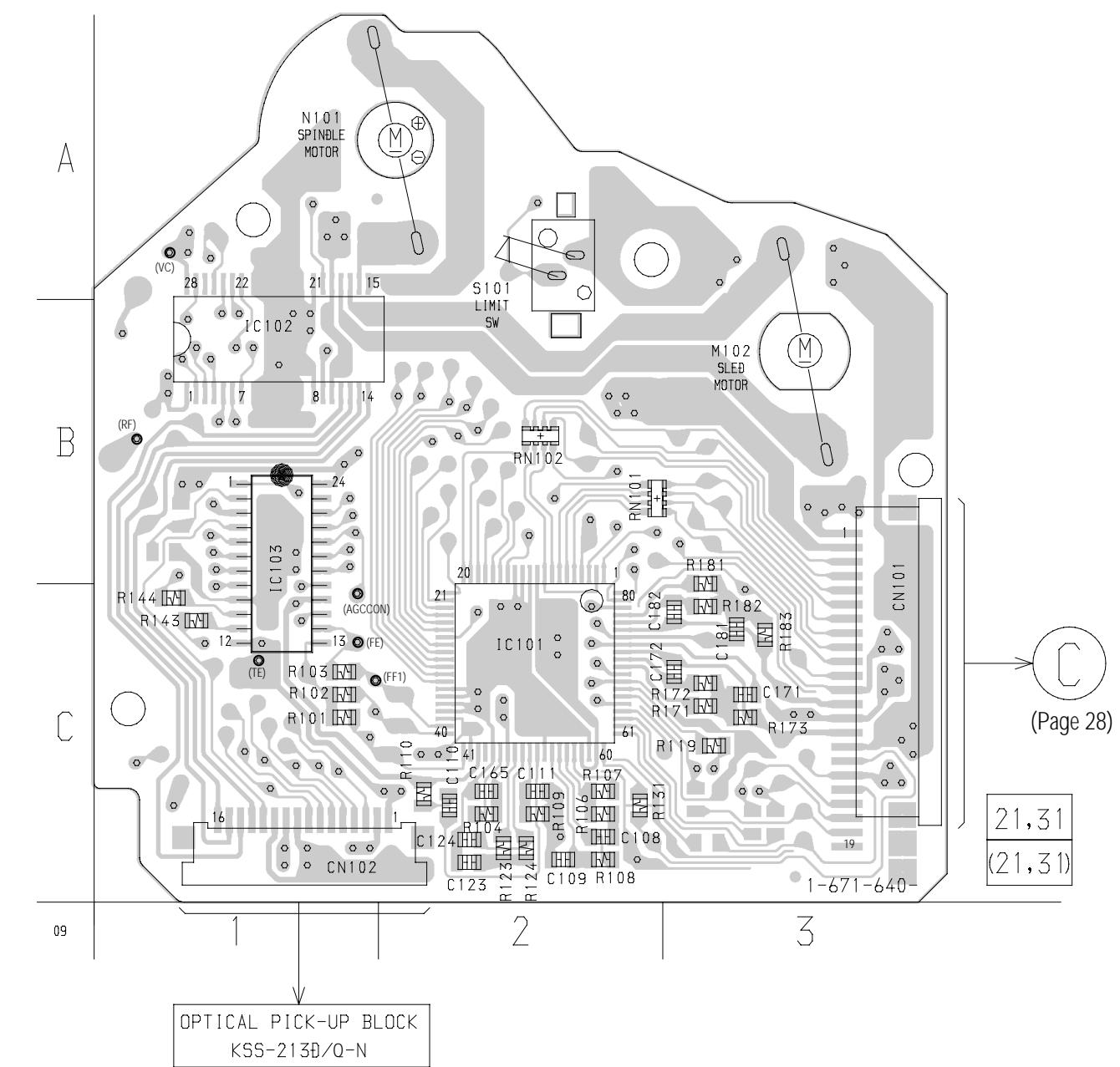
6-3. PRINTED WIRING BOARD – BD (CD) SECTION –

- See page 17 for Circuit Boards Location.

〔 B'D (C'D) BOARD 〕 (S I D E A)

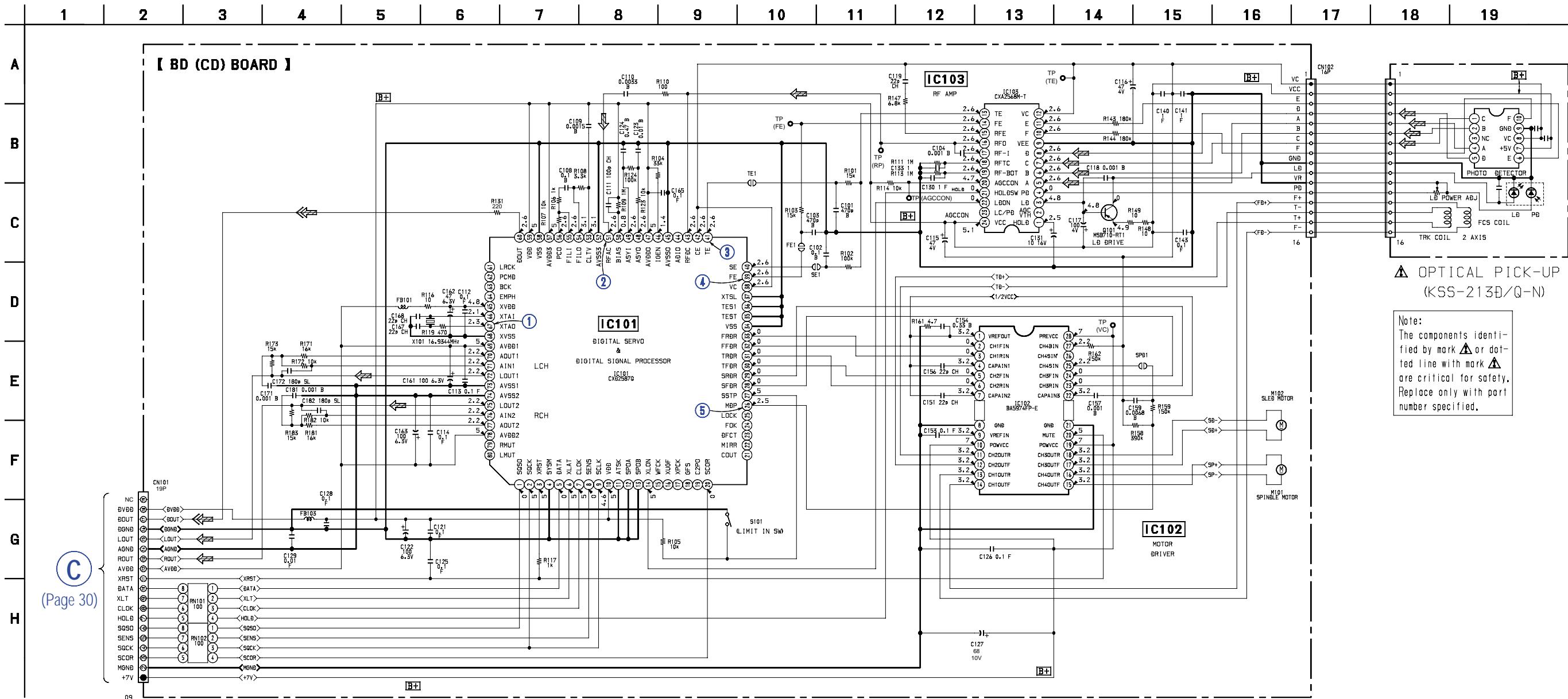


【 BD (CD) BOARD 】 (SIDE E)



6-4. SCHEMATIC DIAGRAM – BD (CD) SECTION –

• See page 25 for Waveforms.

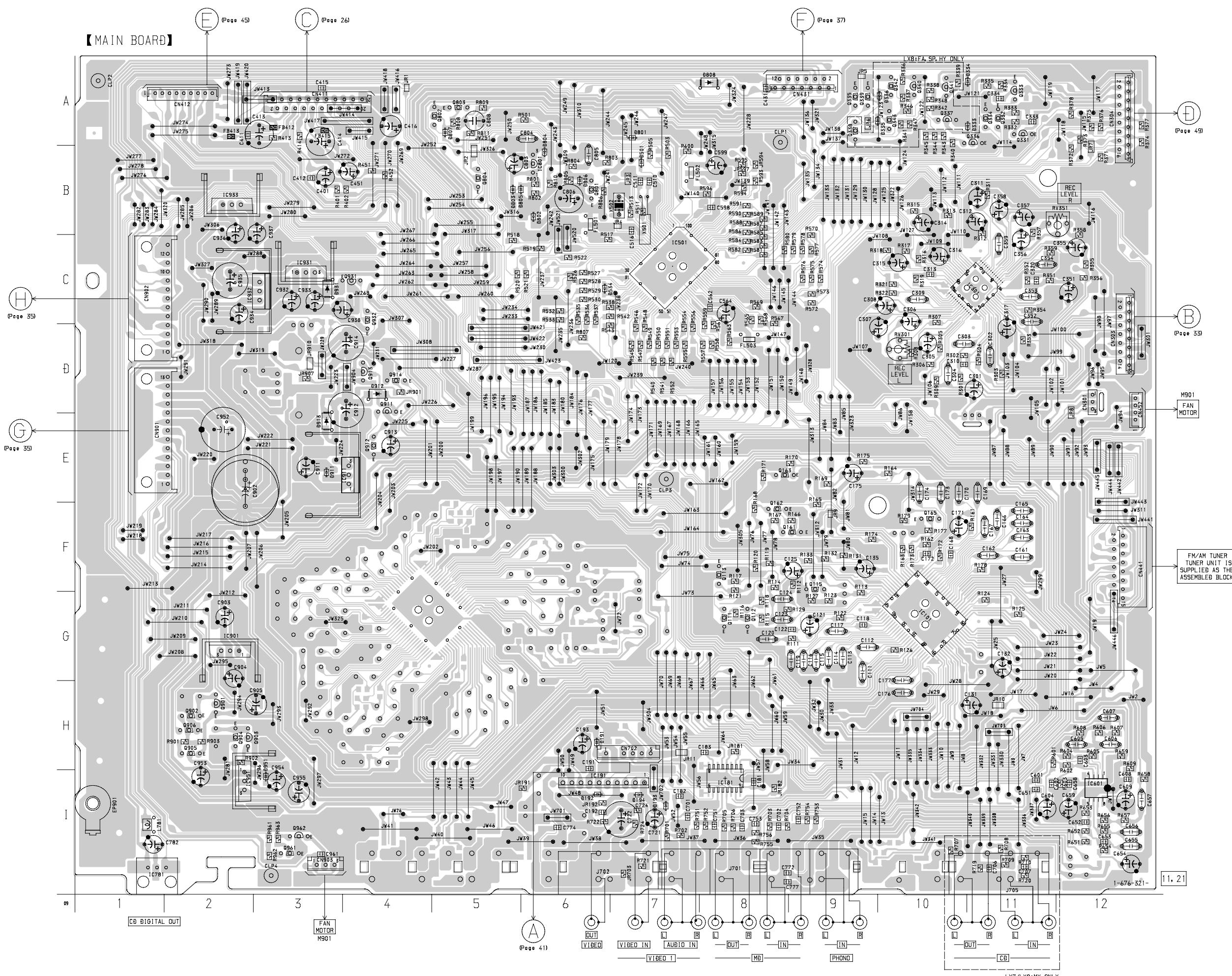


6-5. PRINTED WIRING BOARD - MAIN SECTION -

• See page 17 for Circuit Boards Location.

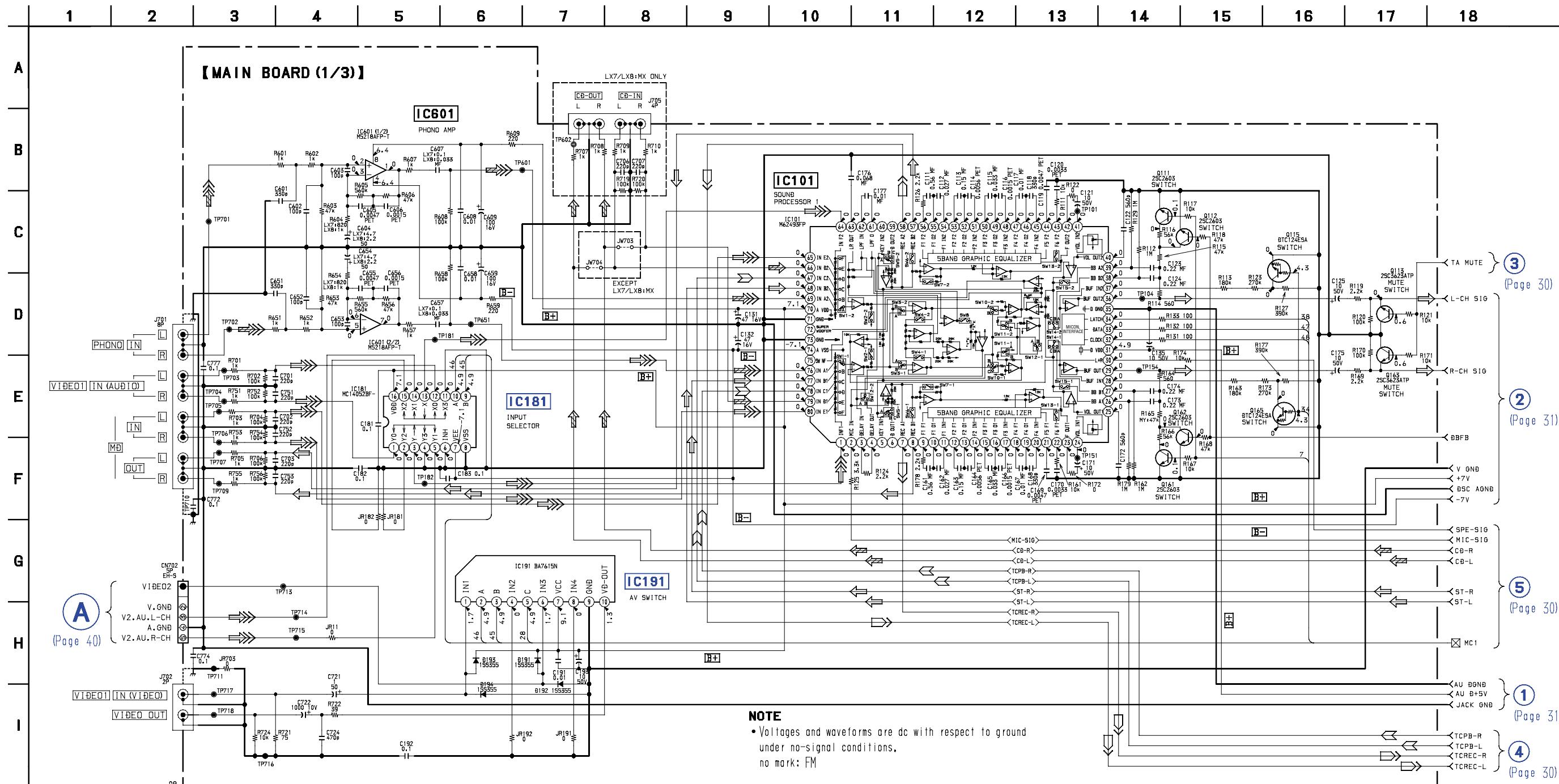
• Semiconductor Location

| Ref. No. | Location |
|----------|----------|
| D191 | H-6 |
| D192 | I-6 |
| D193 | I-7 |
| D194 | I-7 |
| D333 | A-11 |
| D334 | A-11 |
| D335 | A-9 |
| D336 | A-9 |
| D501 | B-7 |
| D534 | C-6 |
| D801 | A-7 |
| D802 | B-6 |
| D803 | B-5 |
| D804 | B-6 |
| D805 | B-5 |
| D806 | B-6 |
| D807 | A-5 |
| D808 | A-8 |
| D911 | E-3 |
| D912 | D-4 |
| D913 | E-3 |
| D931 | C-5 |
| D951 | I-3 |
| IC101 | G-10 |
| IC181 | I-8 |
| IC191 | I-6 |
| IC301 | C-11 |
| IC501 | C-7 |
| IC601 | I-12 |
| IC781 | I-1 |
| IC801 | B-6 |
| IC901 | C-2 |
| IC911 | E-4 |
| IC931 | C-3 |
| IC932 | C-3 |
| IC933 | B-2 |
| IC951 | I-2 |
| Q111 | G-10 |
| Q112 | G-8 |
| Q113 | F-8 |
| Q115 | F-9 |
| Q161 | F-8 |
| Q162 | F-8 |
| Q163 | E-8 |
| Q165 | F-10 |
| Q331 | A-11 |
| Q332 | A-11 |
| Q333 | A-11 |
| Q334 | A-11 |
| Q335 | A-9 |
| Q336 | A-11 |
| Q337 | A-10 |
| Q338 | A-9 |
| Q339 | A-9 |
| Q340 | A-10 |
| Q341 | A-10 |
| Q342 | A-10 |
| Q343 | A-10 |
| Q801 | B-6 |
| Q802 | A-5 |
| Q803 | A-5 |
| Q804 | B-5 |
| Q901 | H-2 |
| Q902 | H-2 |
| Q903 | H-2 |
| Q904 | H-2 |
| Q905 | H-2 |
| Q906 | H-2 |
| Q911 | D-4 |
| Q912 | E-4 |
| Q913 | D-4 |
| Q914 | C-4 |
| Q931 | C-4 |
| Q932 | C-4 |
| Q961 | I-3 |
| Q962 | I-3 |



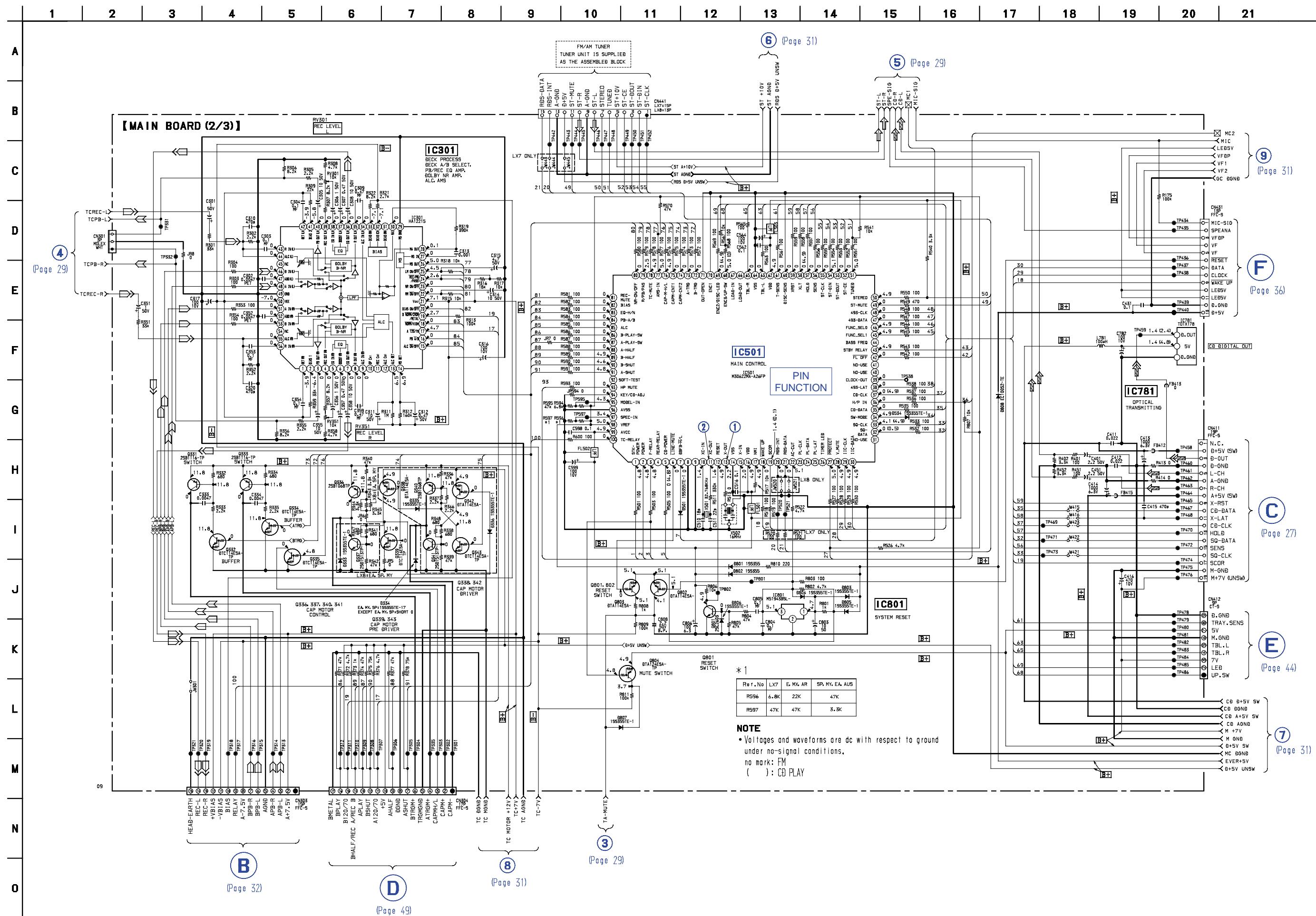
6-6. SCHEMATIC DIAGRAM – MAIN (1/3) SECTION –

• See page 50 for IC Block Diagrams.



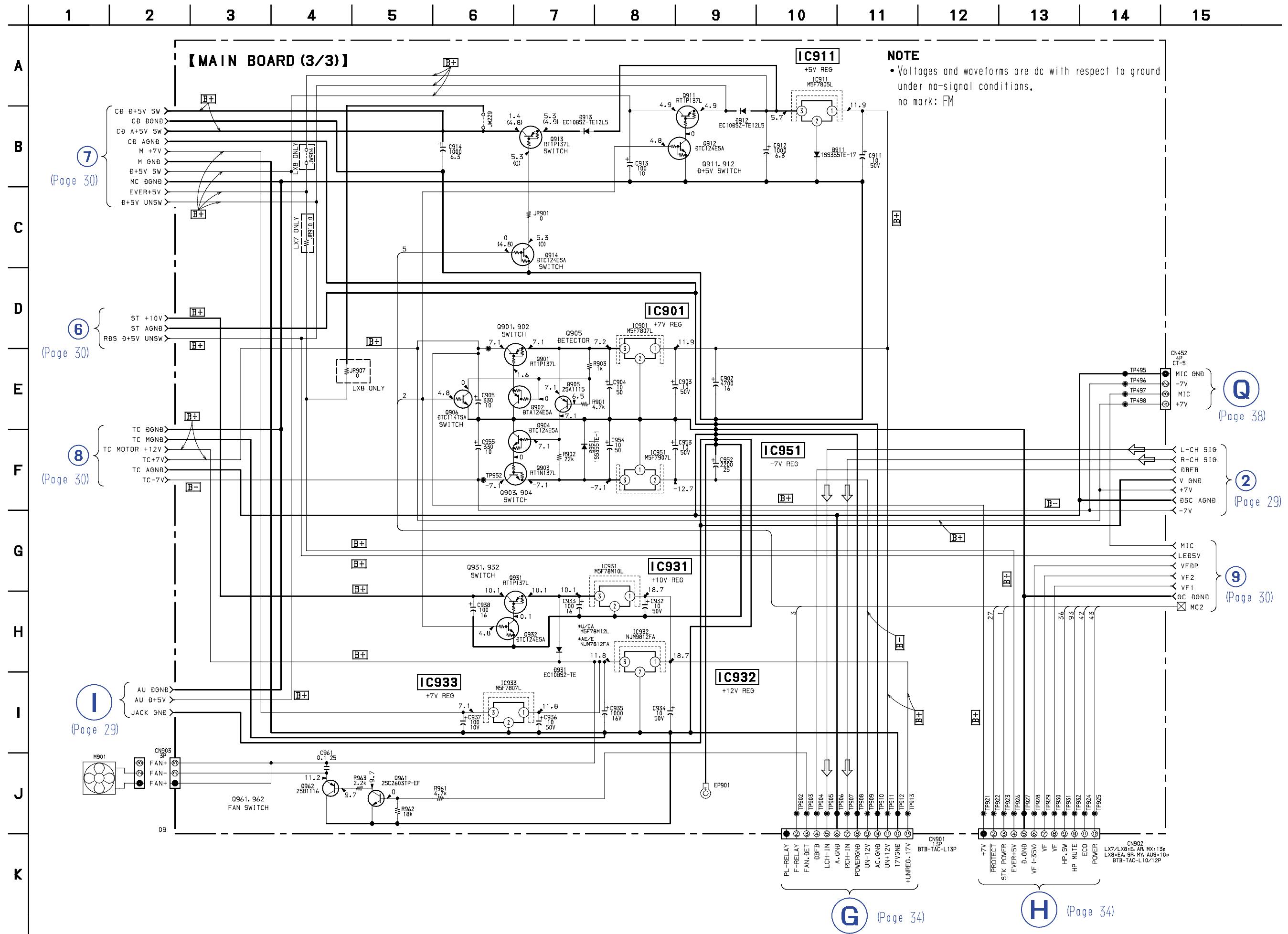
6-7. SCHEMATIC DIAGRAM – MAIN (2/3) SECTION –

- See page 25 for Waveforms.
- See page 28 for Printed Wiring Board.
- See page 50 for IC Pin Functions.

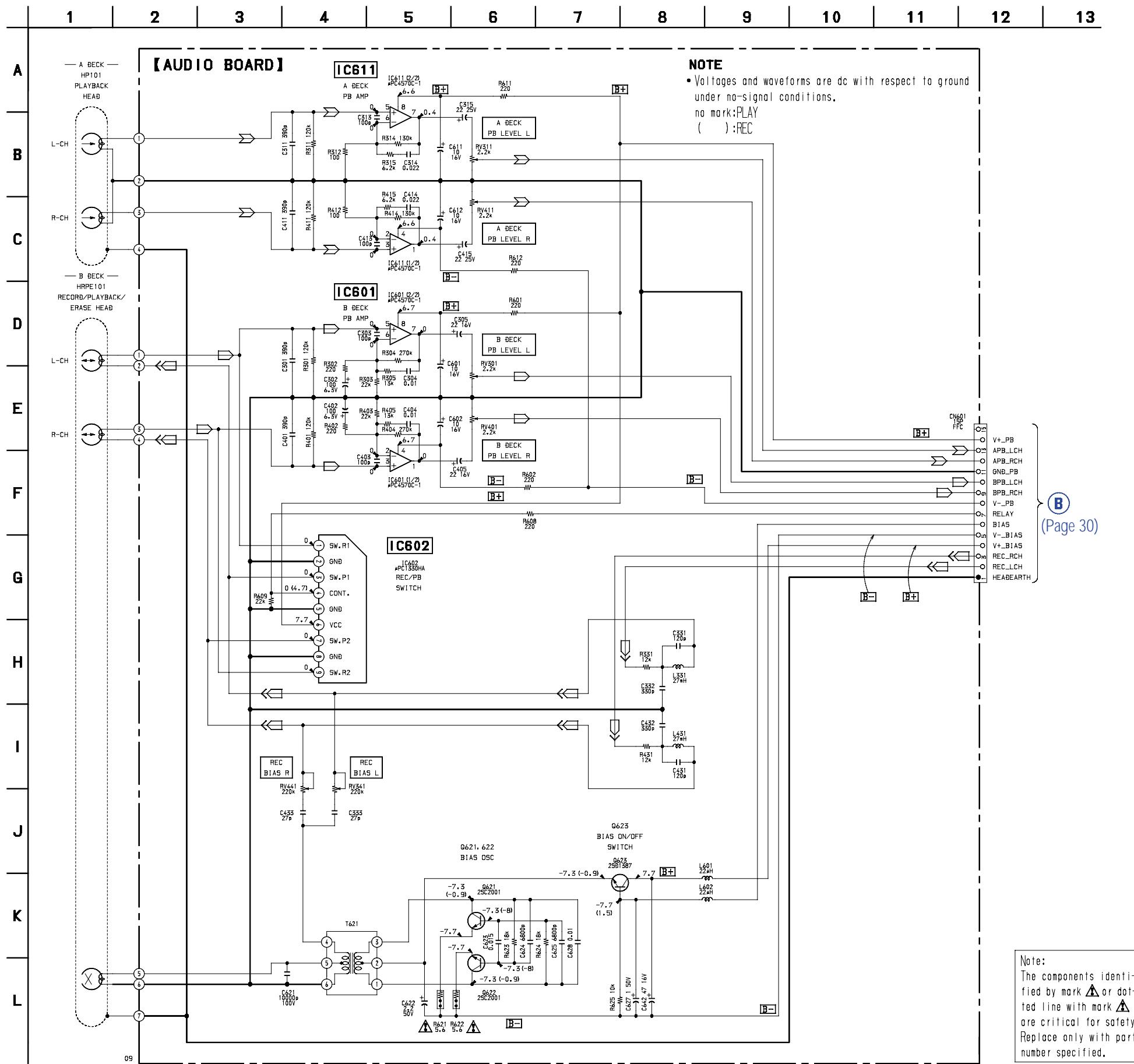


6-8. SCHEMATIC DIAGRAM – MAIN (3/3) SECTION –

- See page 28 for Printed Wiring Board.

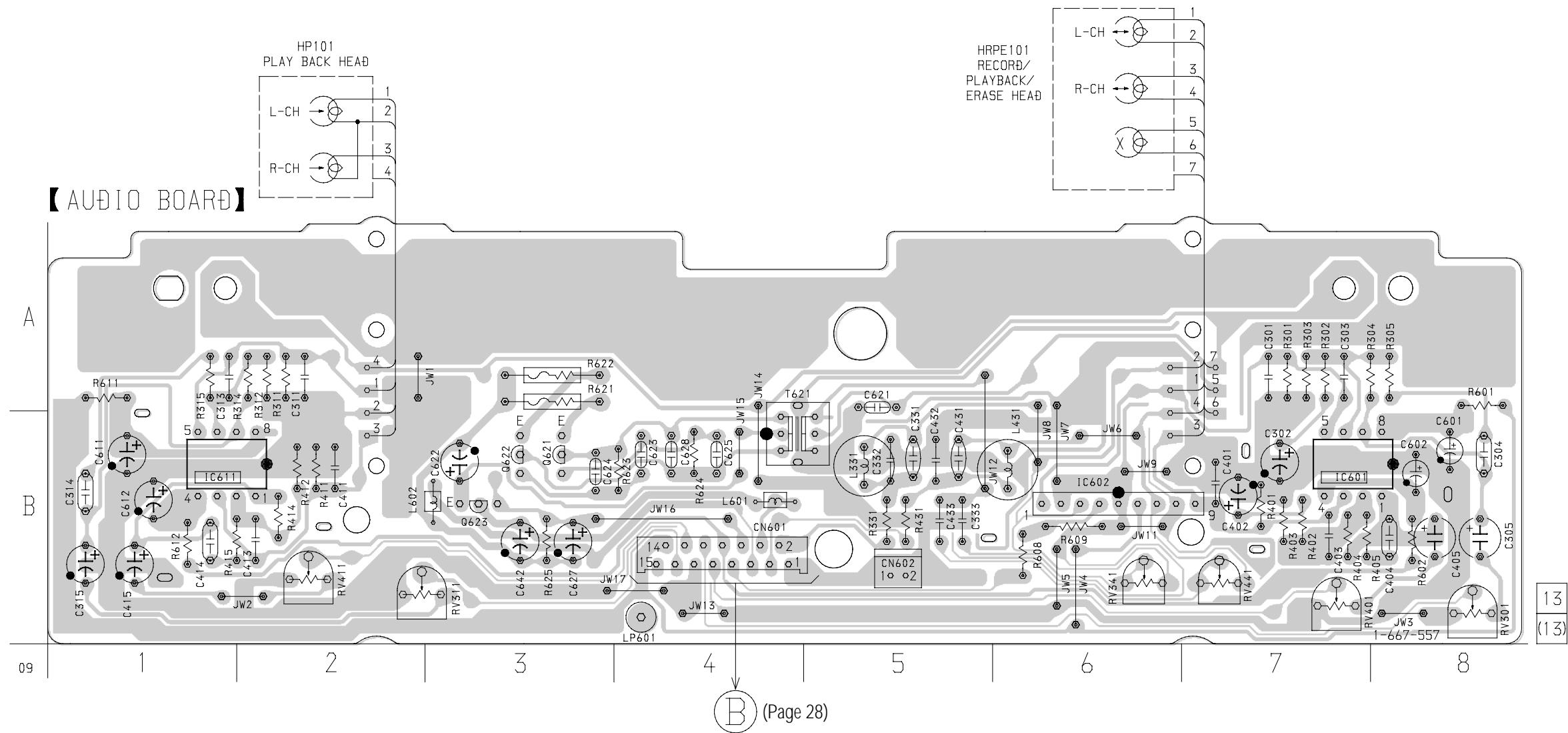


6-9. SCHEMATIC DIAGRAM – DECK SECTION –



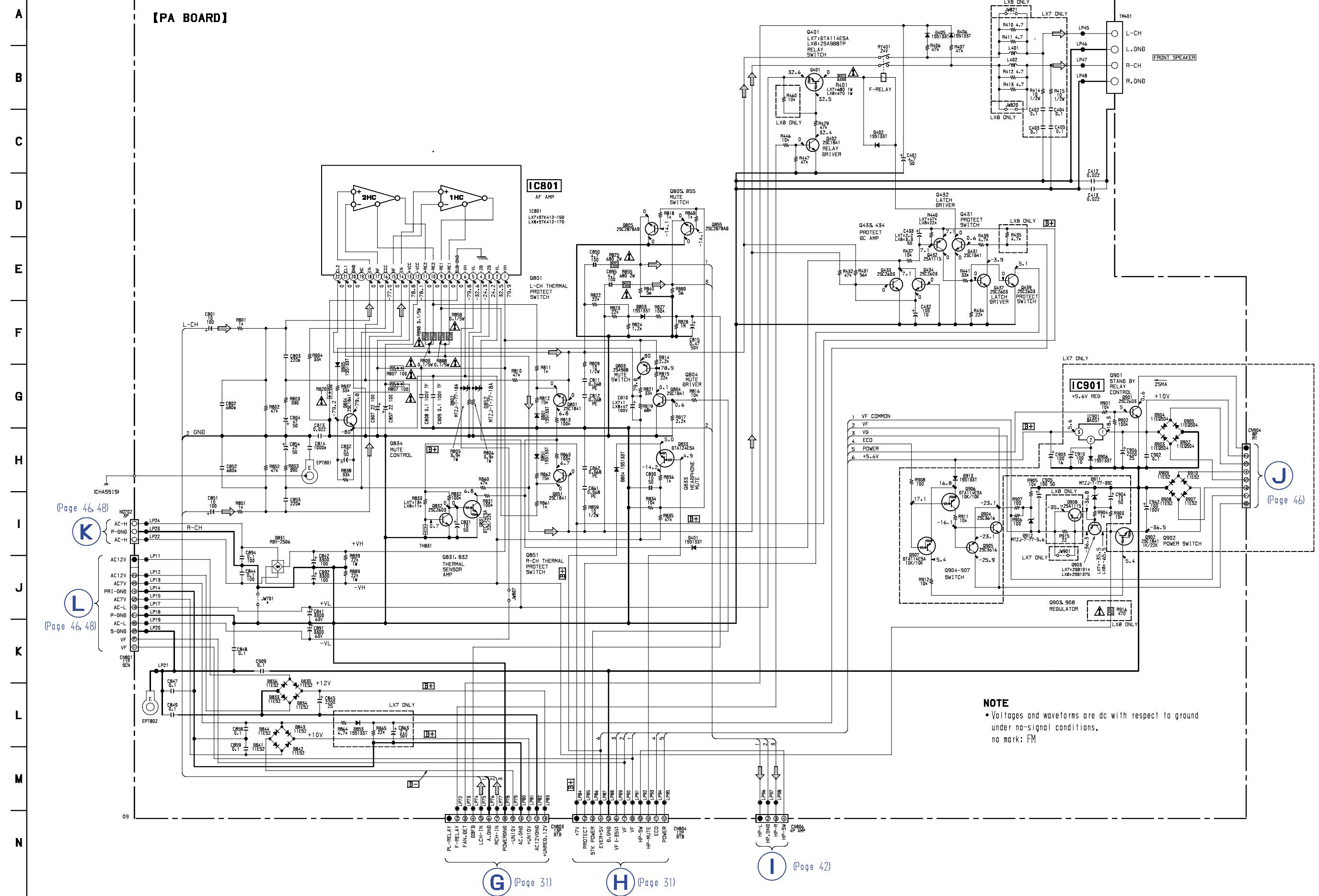
6-10. PRINTED WIRING BOARD – DECK SECTION –

• See page 17 for Circuit Boards Location.



6-11. SCHEMATIC DIAGRAM – POWER SECTION –

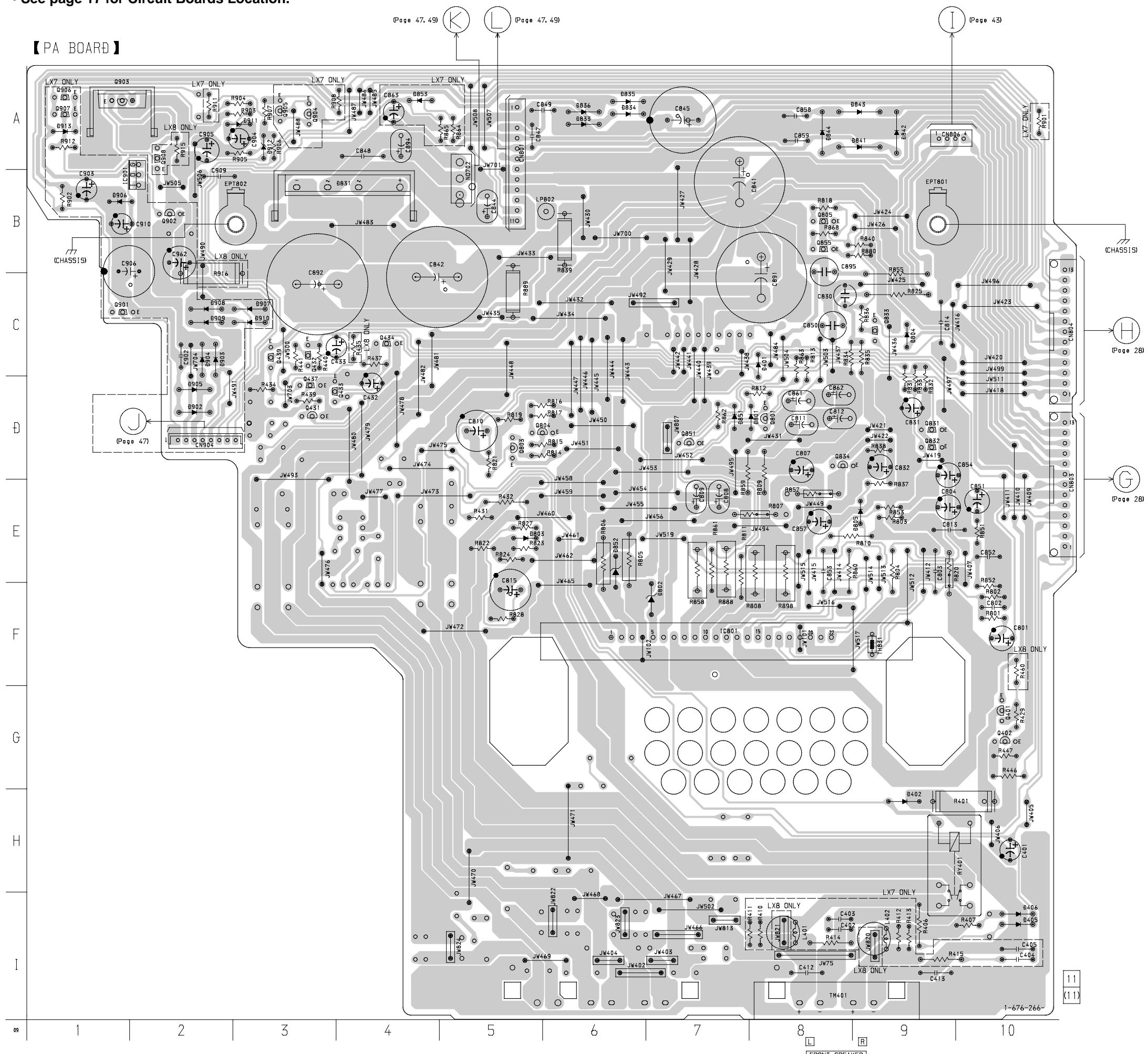
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20



6-12. PRINTED WIRING BOARD – POWER SECTION –

- See page 17 for Circuit Boards Location.

【 PA BOARD 】



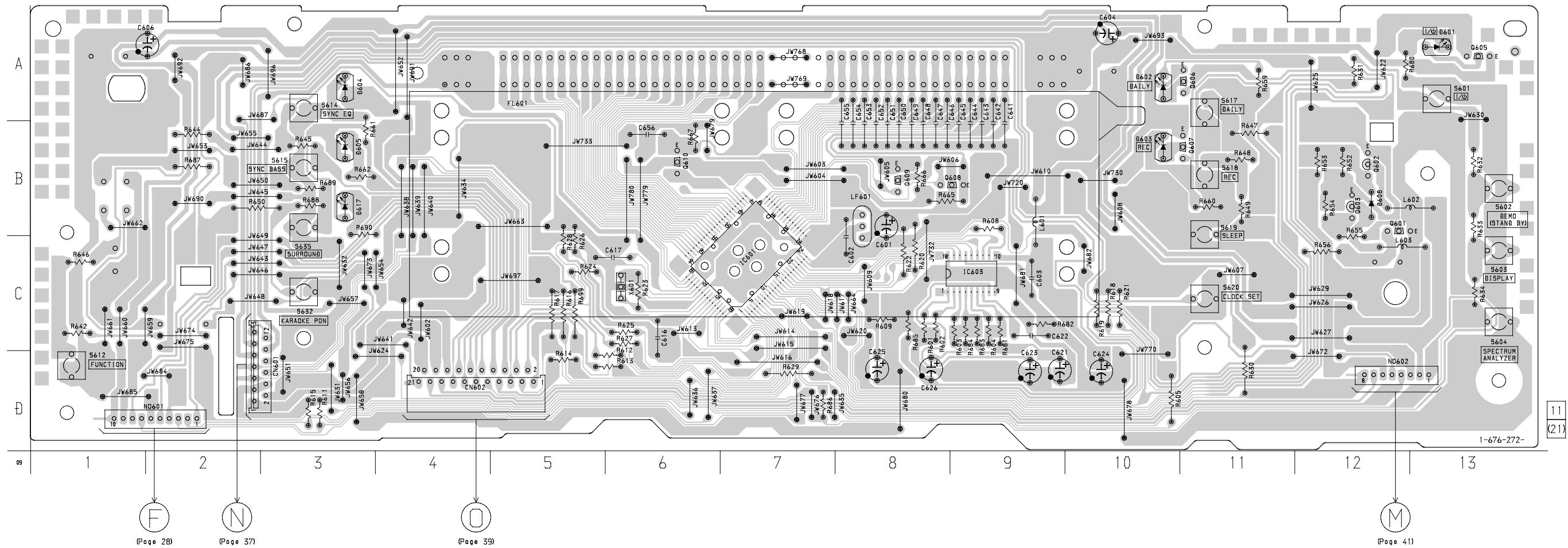
- Semiconductor Location

| Ref. No. | Location |
|----------|----------|
| D401 | C-8 |
| D402 | H-9 |
| D405 | I-10 |
| D406 | I-10 |
| D801 | D-8 |
| D802 | F-7 |
| D803 | E-5 |
| D804 | C-9 |
| D805 | E-9 |
| D831 | B-4 |
| D833 | A-6 |
| D834 | A-6 |
| D835 | A-6 |
| D836 | A-6 |
| D841 | A-9 |
| D842 | A-9 |
| D843 | A-9 |
| D844 | A-8 |
| D851 | D-7 |
| D852 | E-6 |
| D853 | A-4 |
| D902 | D-2 |
| D903 | C-2 |
| D904 | C-2 |
| D905 | D-2 |
| D906 | B-1 |
| D907 | C-3 |
| D908 | C-2 |
| D909 | C-2 |
| D910 | C-3 |
| D911 | A-3 |
| D912 | A-3 |
| D913 | A-1 |
| IC801 | F-7 |
| IC901 | B-2 |
| Q401 | G-10 |
| Q402 | G-10 |
| Q431 | D-3 |
| Q432 | C-3 |
| Q433 | D-4 |
| Q434 | C-4 |
| Q437 | D-3 |
| Q439 | C-3 |
| Q801 | D-8 |
| Q803 | D-5 |
| Q804 | D-6 |
| Q805 | B-8 |
| Q831 | D-9 |
| Q832 | D-9 |
| Q833 | C-9 |
| Q834 | D-8 |
| Q851 | D-7 |
| Q855 | B-8 |
| Q901 | C-1 |
| Q902 | B-2 |
| Q903 | A-1 |
| Q904 | A-3 |
| Q905 | A-3 |
| Q906 | A-1 |
| Q907 | A-1 |
| Q908 | A-2 |

6-14. PRINTED WIRING BOARD – PANEL FL SECTION –

- See page 17 for Circuit Boards Location.

【PANEL FL BOARD】



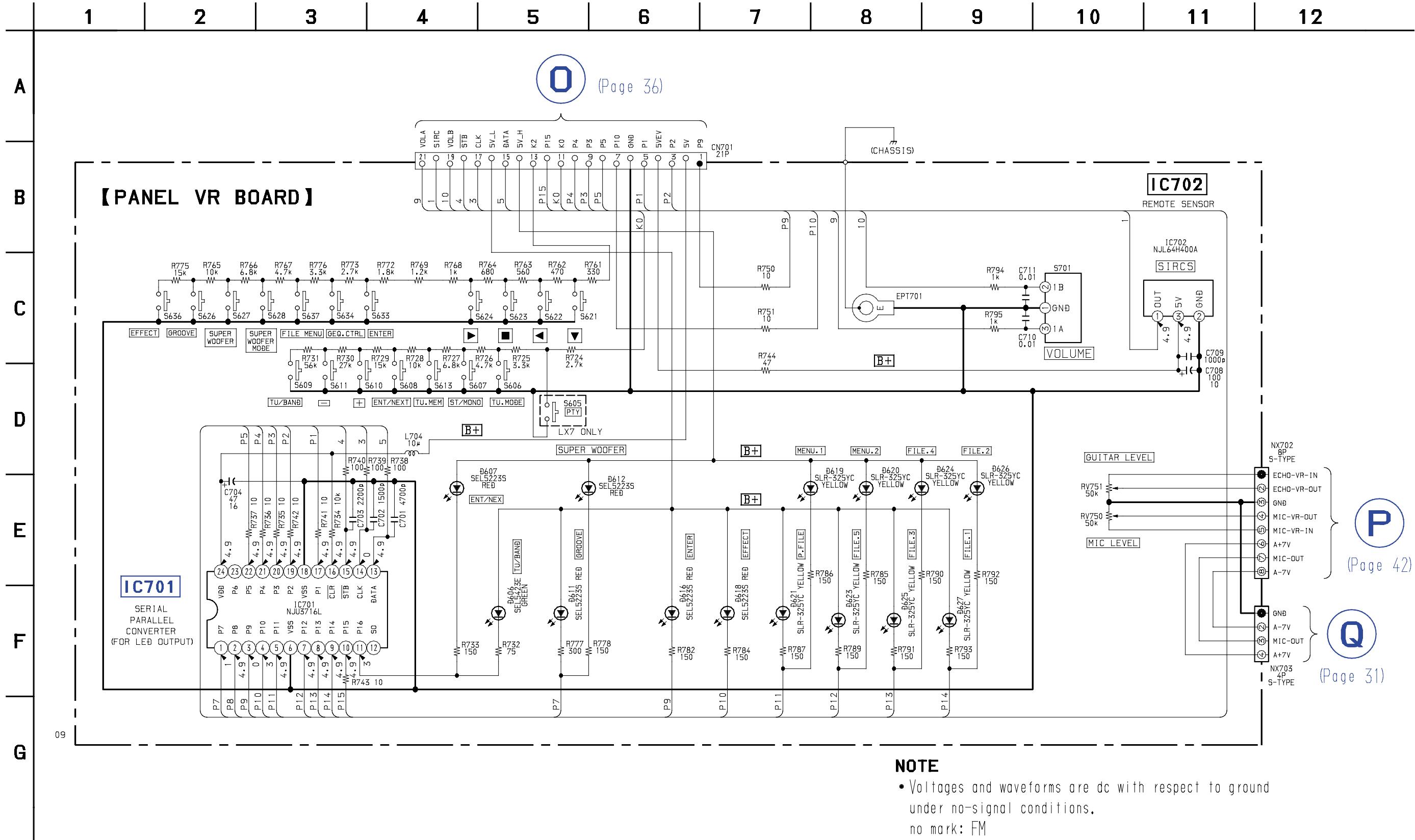
- Semiconductor Location

| Ref. No. | Location | Ref. No. | Location |
|----------|----------|----------|----------|
| D601 | A-13 | Q601 | B-12 |
| D602 | A-10 | Q602 | B-12 |
| D603 | B-10 | Q603 | B-12 |
| D604 | A-3 | Q605 | A-13 |
| D605 | B-3 | Q606 | A-10 |
| D608 | B-12 | Q607 | B-10 |
| D617 | B-3 | Q608 | B-9 |
| IC601 | C-7 | Q609 | B-8 |
| IC603 | C-9 | Q610 | B-6 |

6-15. SCHEMATIC DIAGRAM – PANEL VR SECTION –

- See page 50 for IC Block Diagrams.

1 2 3 4 5 6 7 8 9 10 11 12



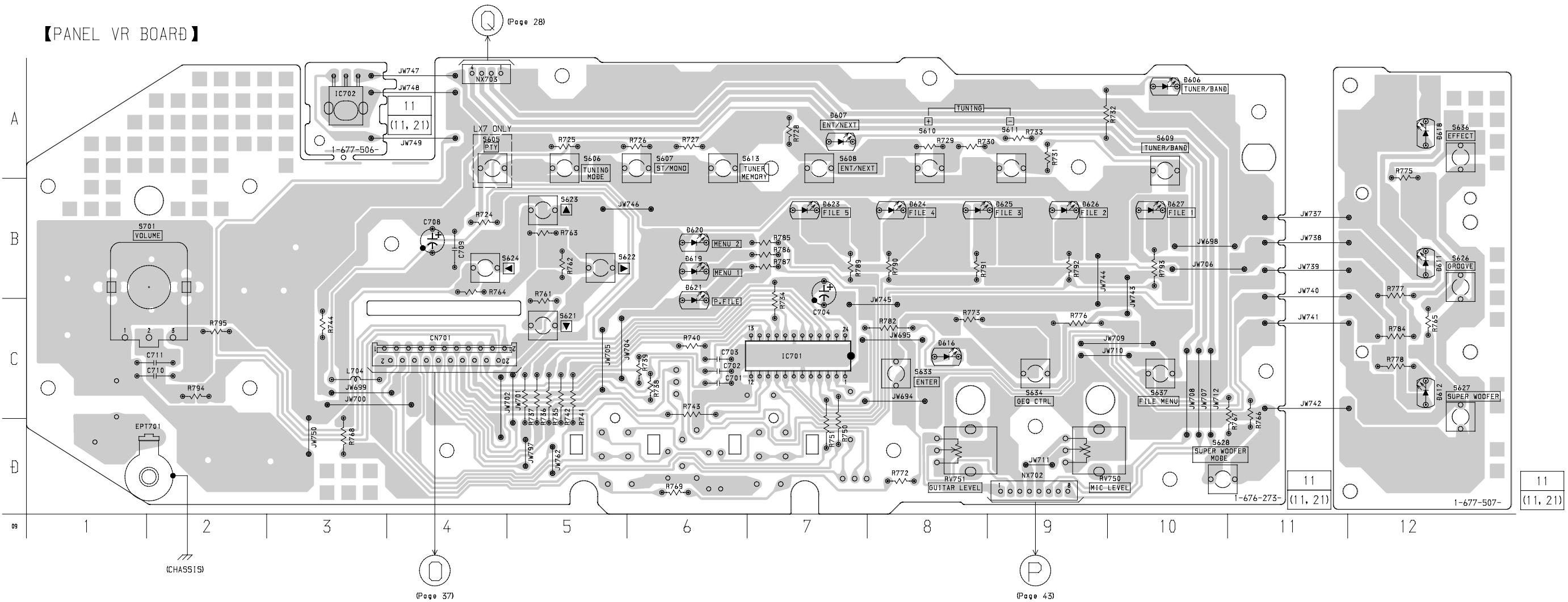
NOTE

- Voltages and waveforms are dc with respect to ground under no-signal conditions.
no mark: FM

6-16. PRINTED WIRING BOARD – PANEL VR SECTION –

- See page 17 for Circuit Boards Location.

【PANEL VR BOARD】



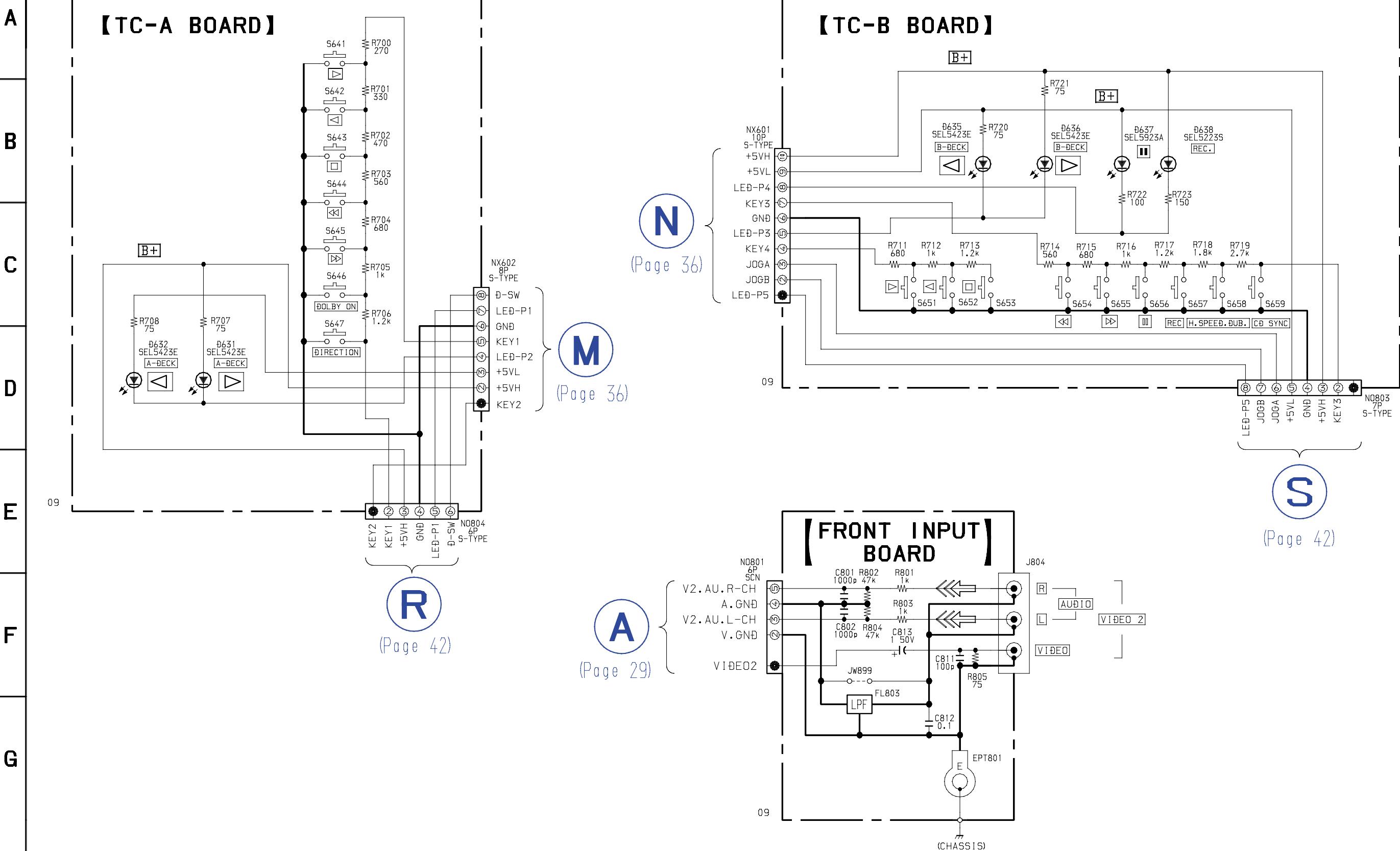
- Semiconductor Location

Ref. No. Location

| | |
|-------|------|
| D606 | A-10 |
| D607 | A-7 |
| D611 | B-11 |
| D612 | C-12 |
| D616 | C-8 |
| D618 | A-12 |
| D619 | B-6 |
| D620 | B-6 |
| D621 | B-6 |
| D623 | B-7 |
| D624 | B-8 |
| D625 | B-8 |
| D626 | B-9 |
| D627 | B-10 |
| IC701 | C-7 |
| IC702 | A-3 |

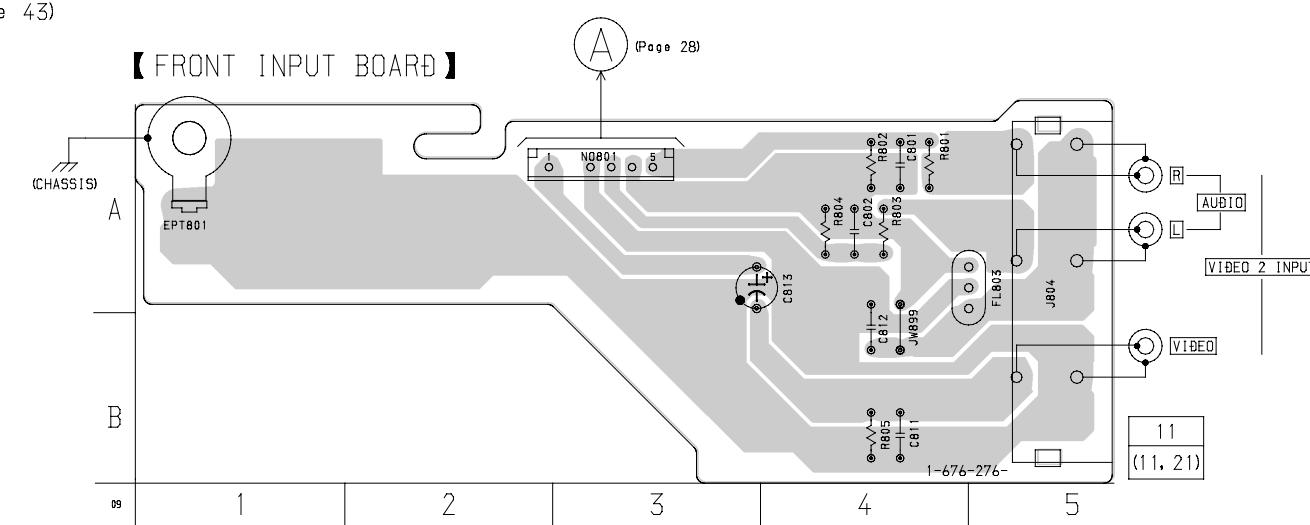
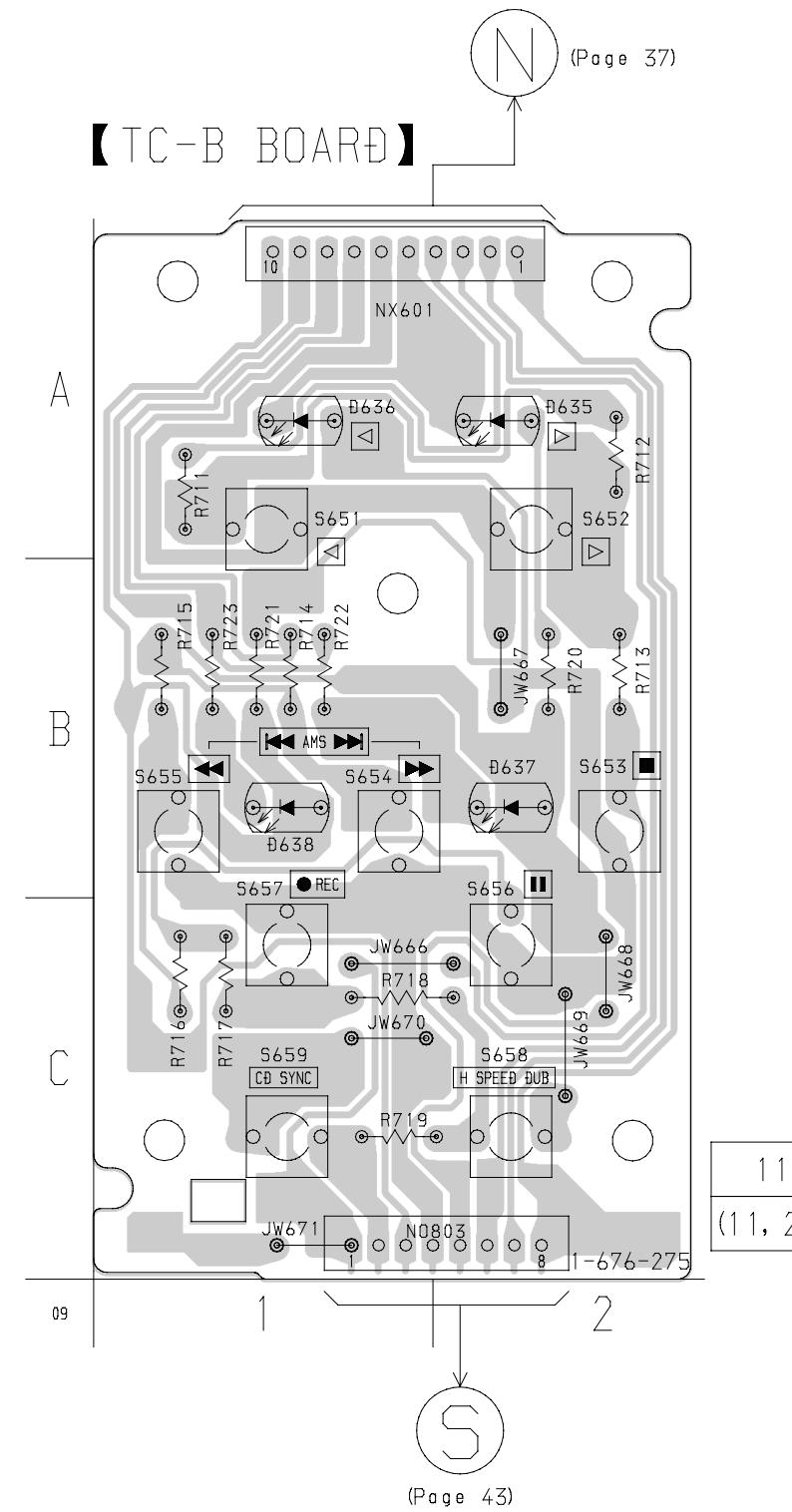
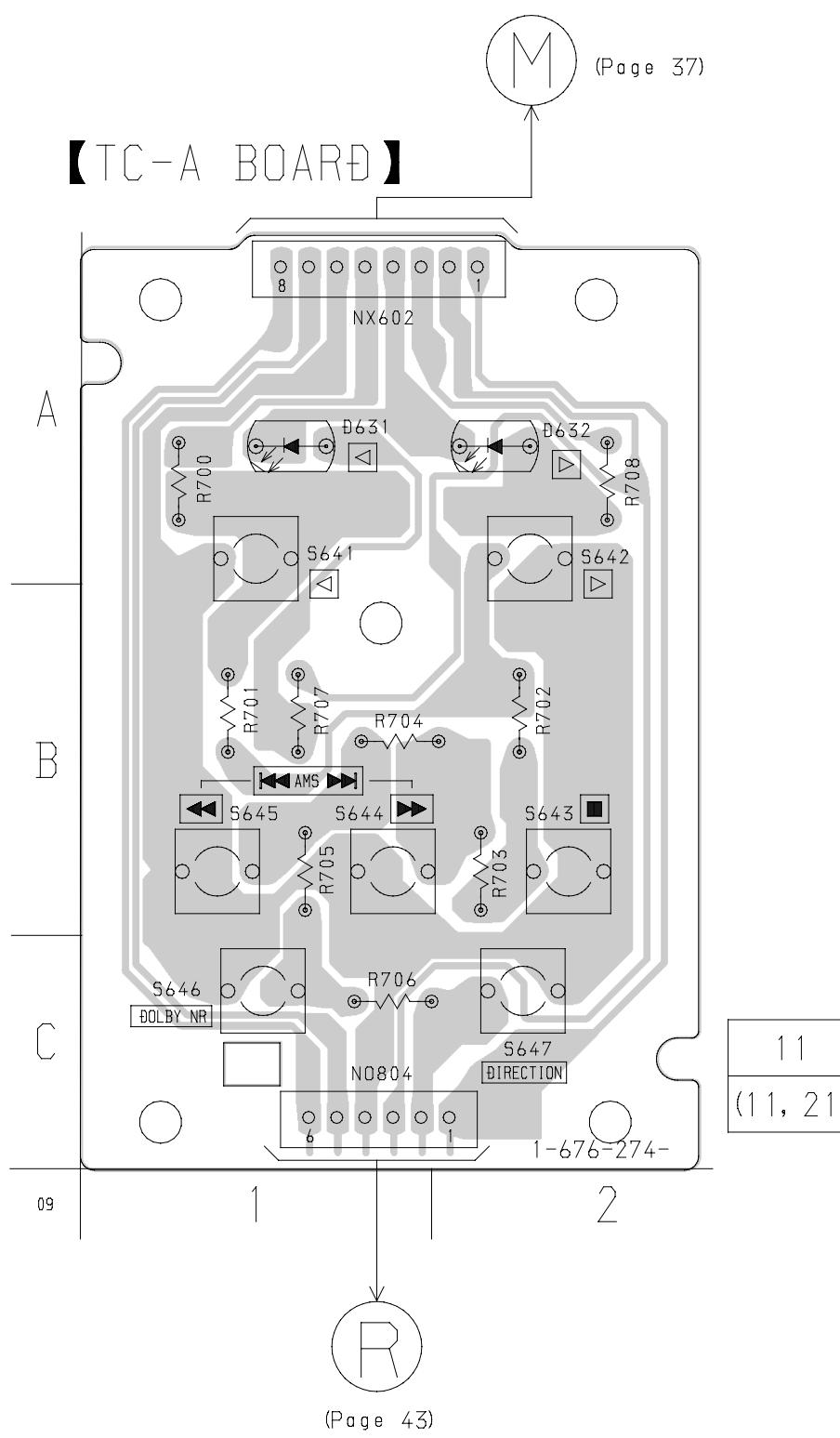
6-17. SCHEMATIC DIAGRAM – TC PANEL SECTION –

1 2 3 4 5 6 7 8 9 10 11

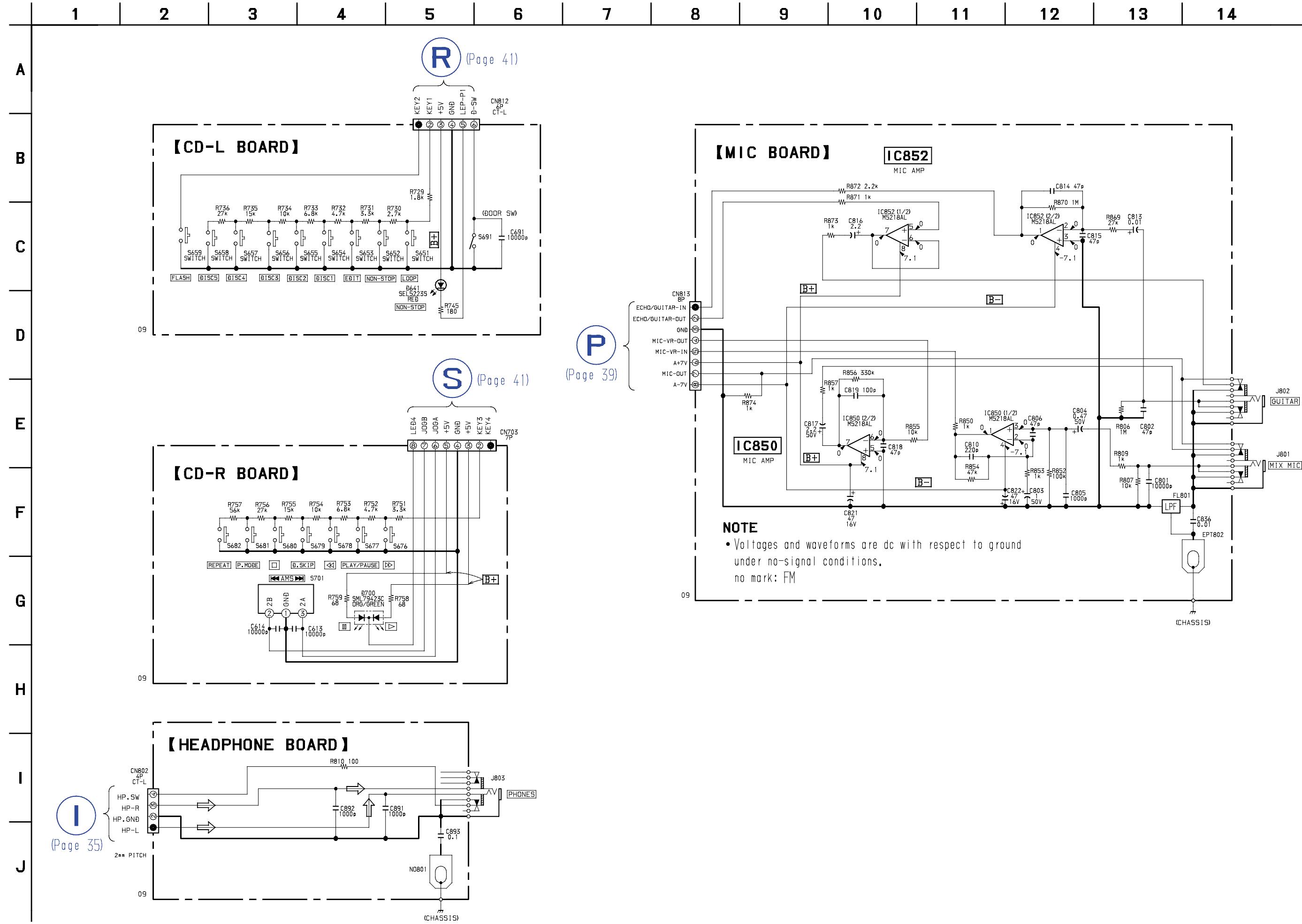


6-18. PRINTED WIRING BOARD – TC PANEL SECTION –

• See page 17 for Circuit Boards Location.



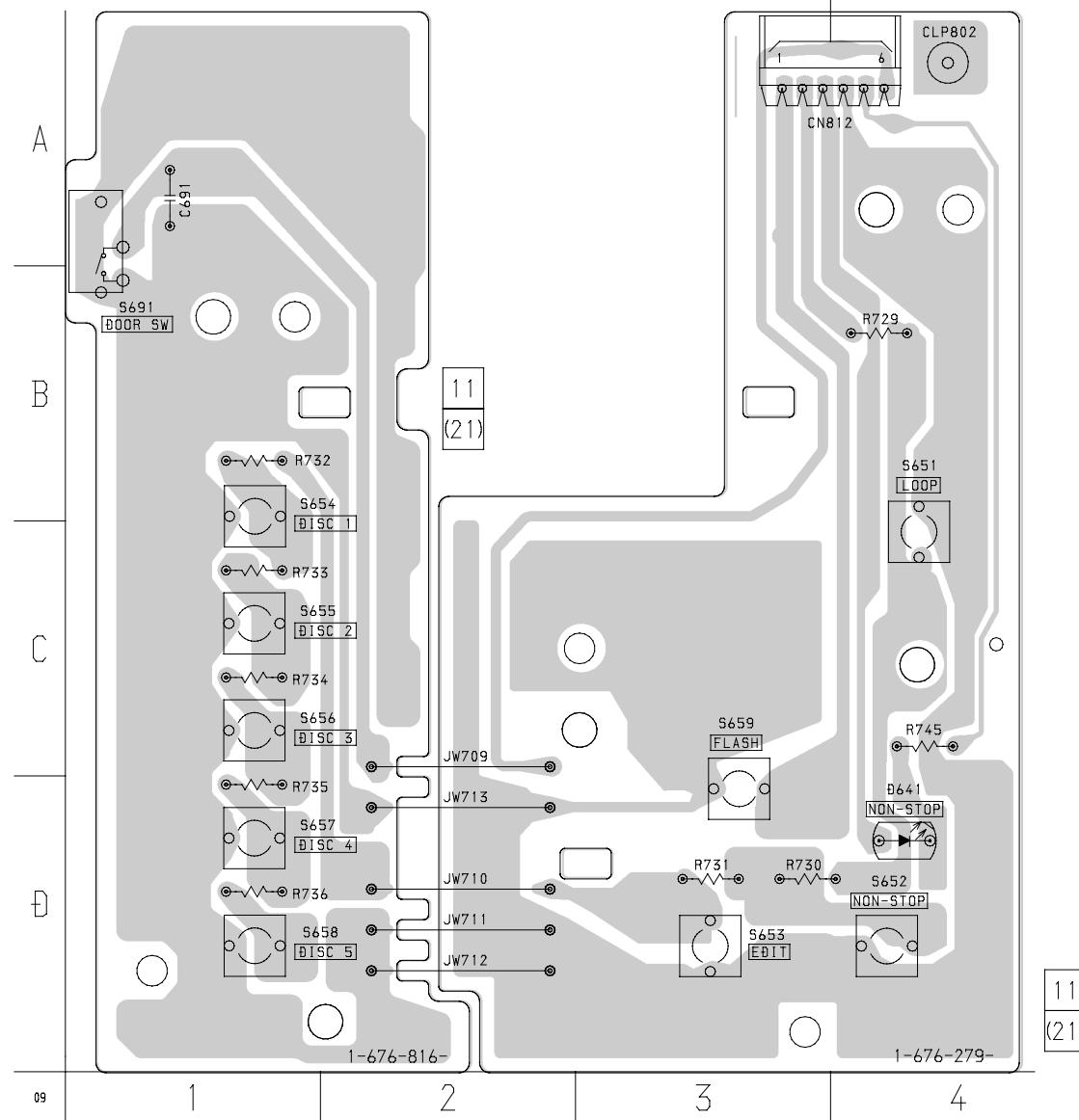
6-19. SCHEMATIC DIAGRAM – CD PANEL SECTION –



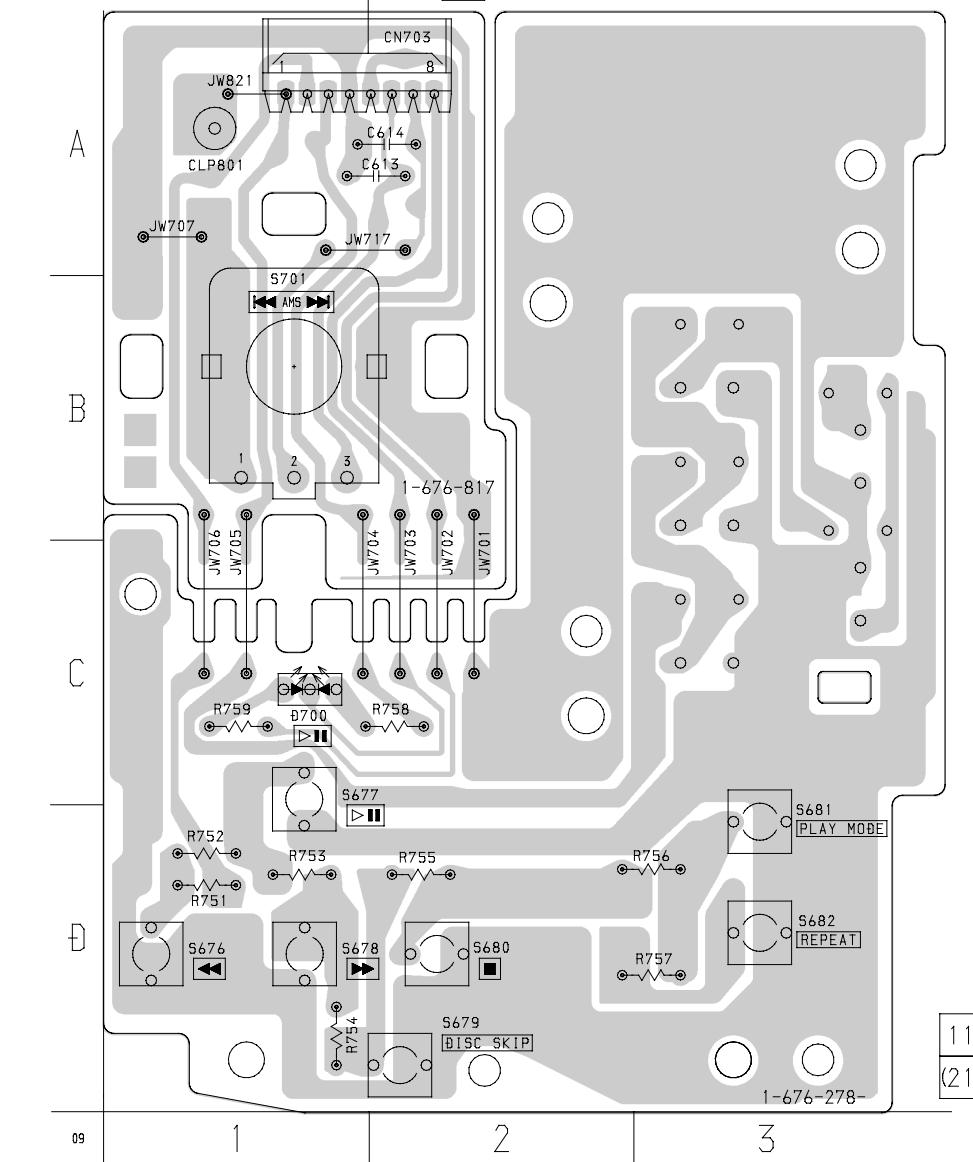
6-20. PRINTED WIRING BOARD – CD PANEL SECTION –

• See page 17 for Circuit Boards Location.

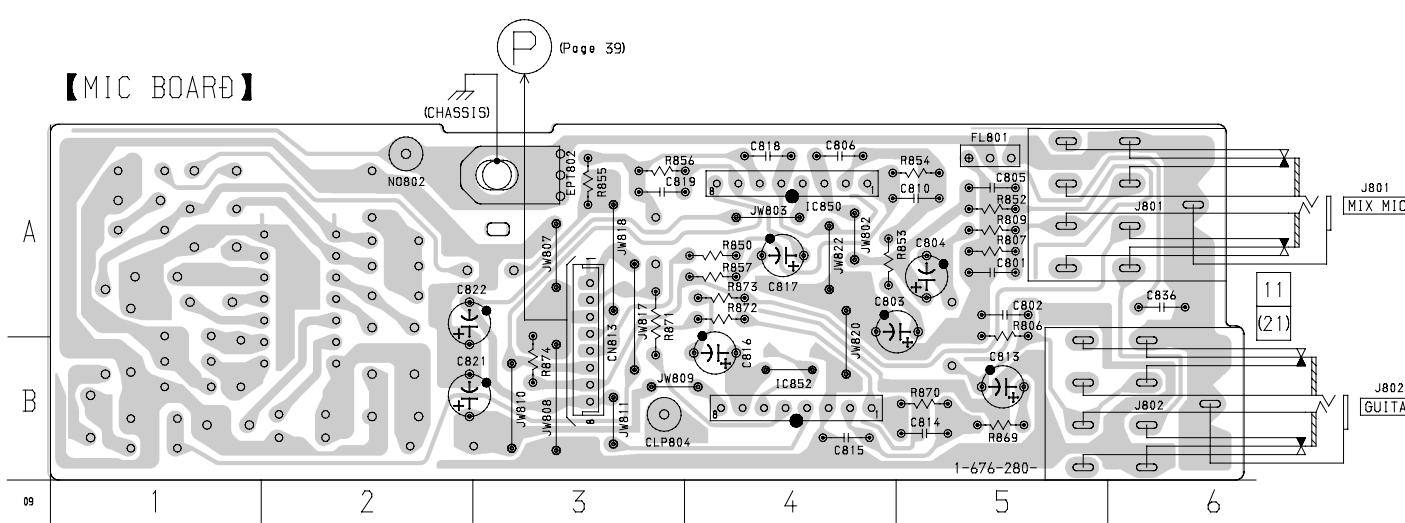
【CD-L BOARD】



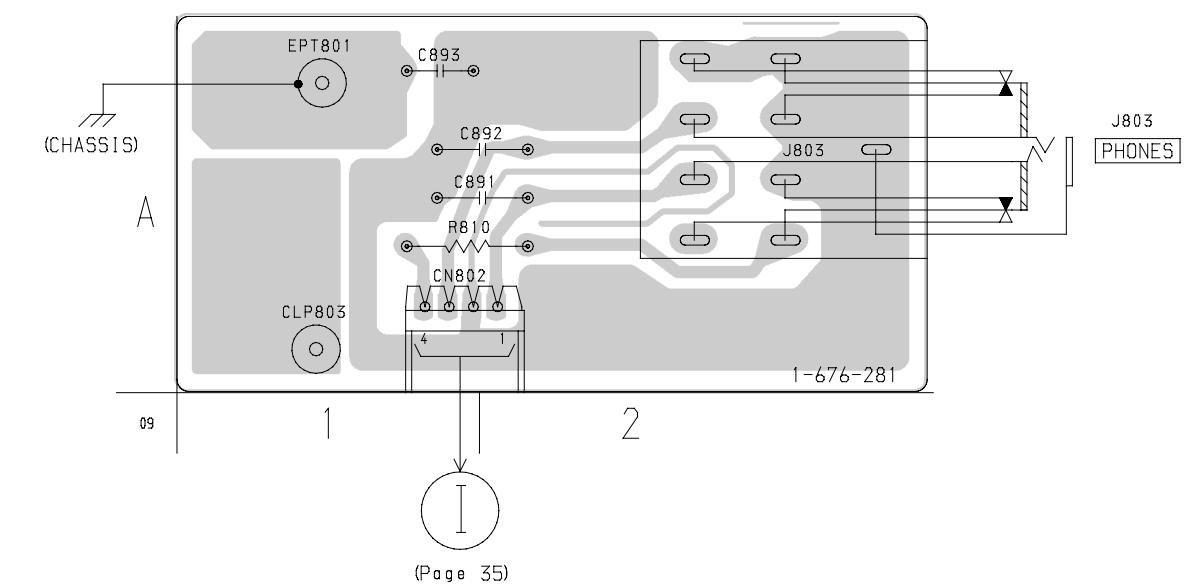
【CD-R BOARD】



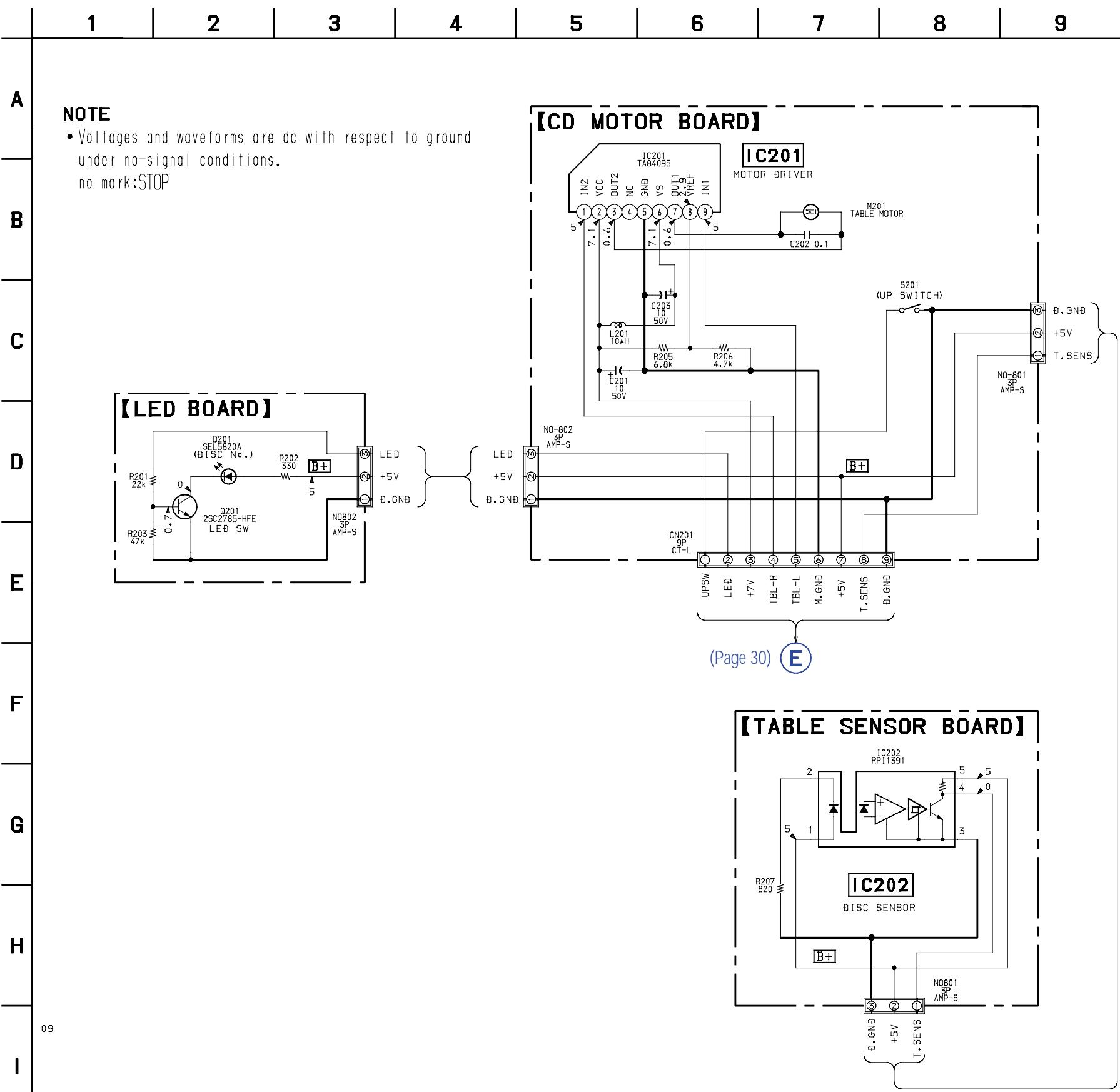
【MIC BOARD】



【HEADPHONE BOARD】



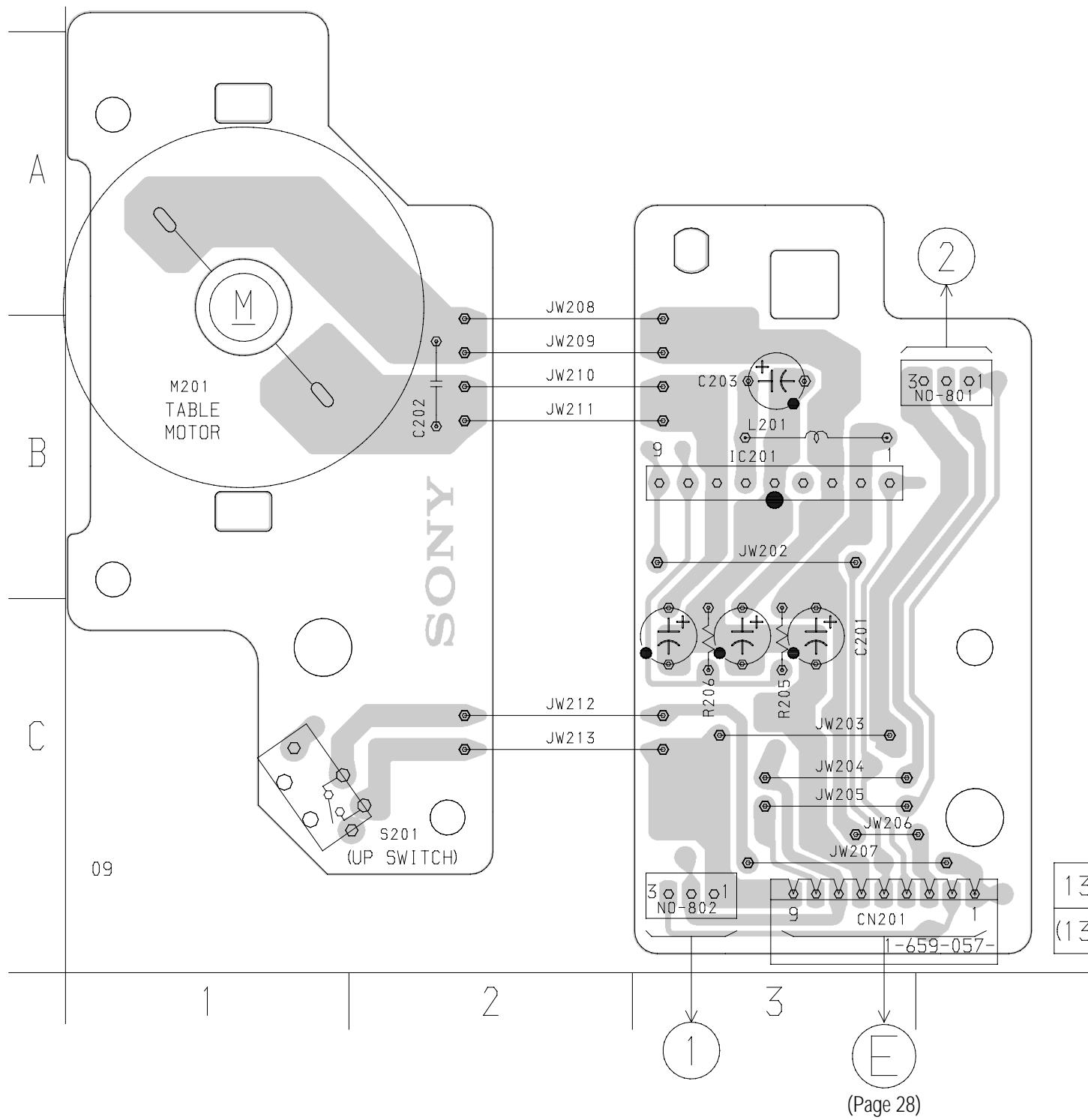
6-21. SCHEMATIC DIAGRAM – CD MOTOR SECTION –



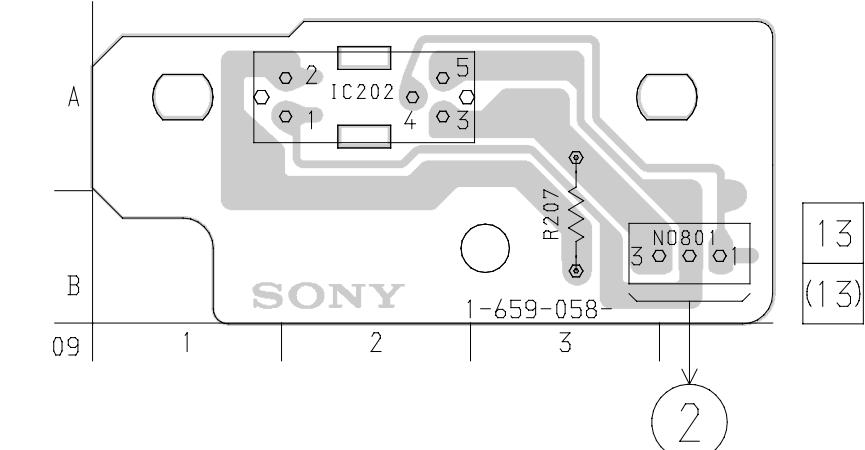
6-22. PRINTED WIRING BOARD – CD MOTOR SECTION –

- See page 17 for Circuit Boards Location.

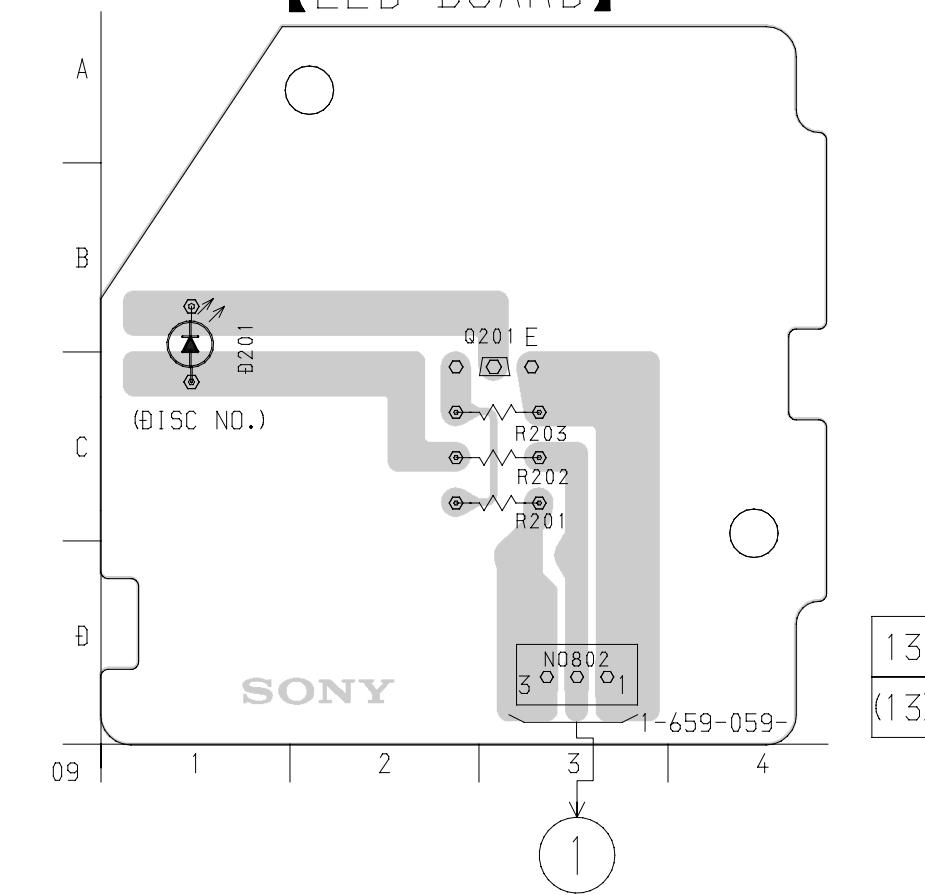
【 C-D MOTOR BOARD 】



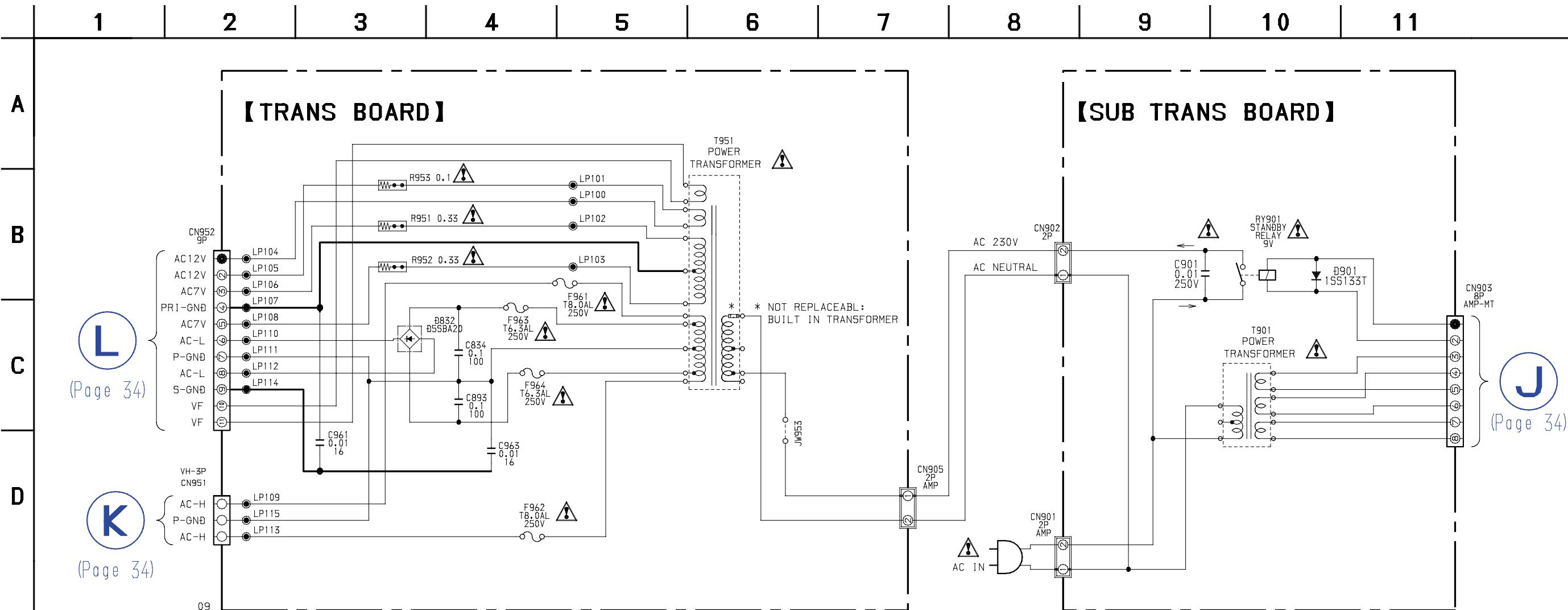
【TABLE SENSOR BOARD】



【LED BOARD】



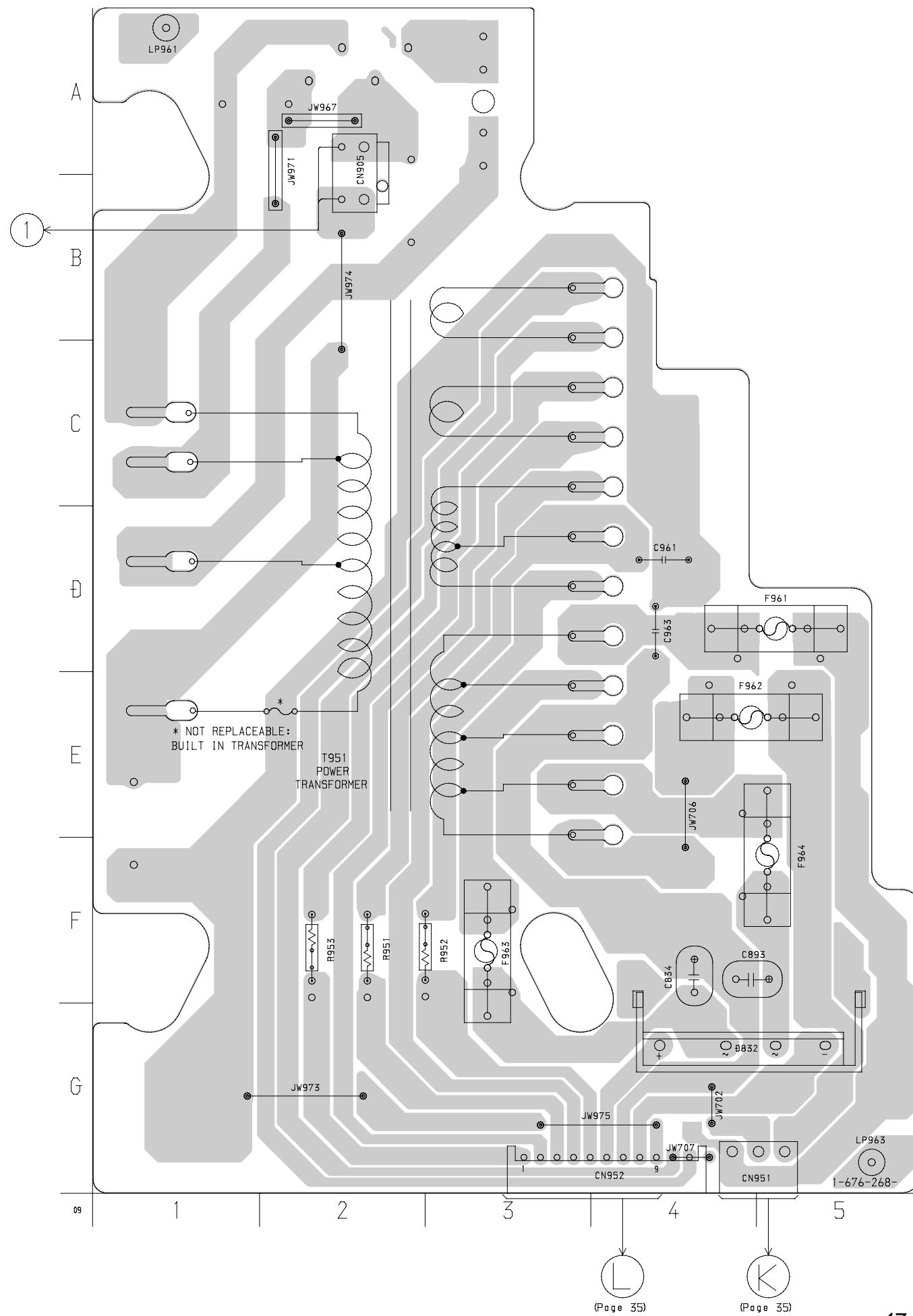
6-23. SCHEMATIC DIAGRAM – TRANS SECTION – (LX7 model)



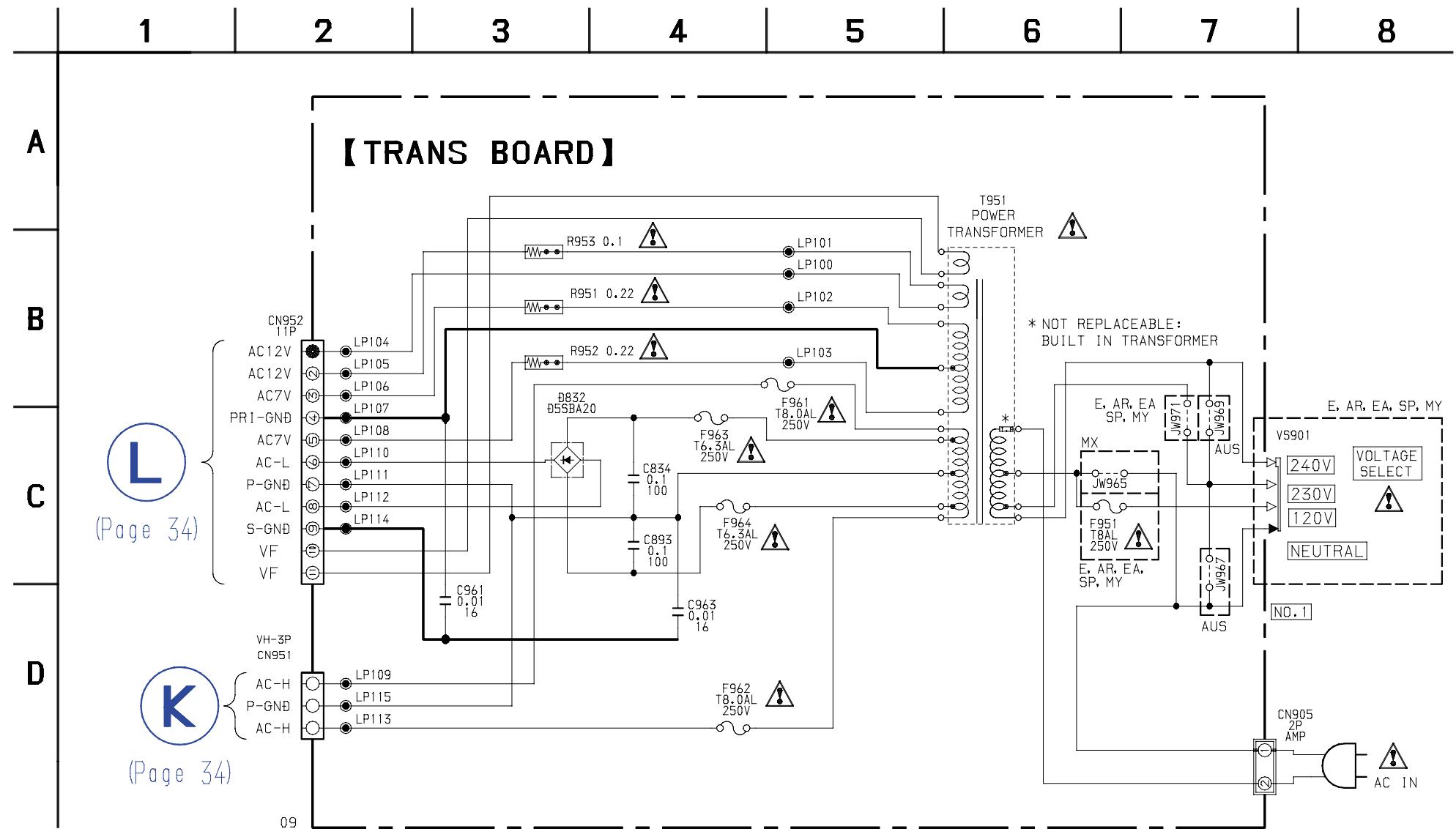
6-24. PRINTED WIRING BOARD – TRANS SECTION – (LX7 model)

• See page 17 for Circuit Boards Location.

[TRANS BOARD]

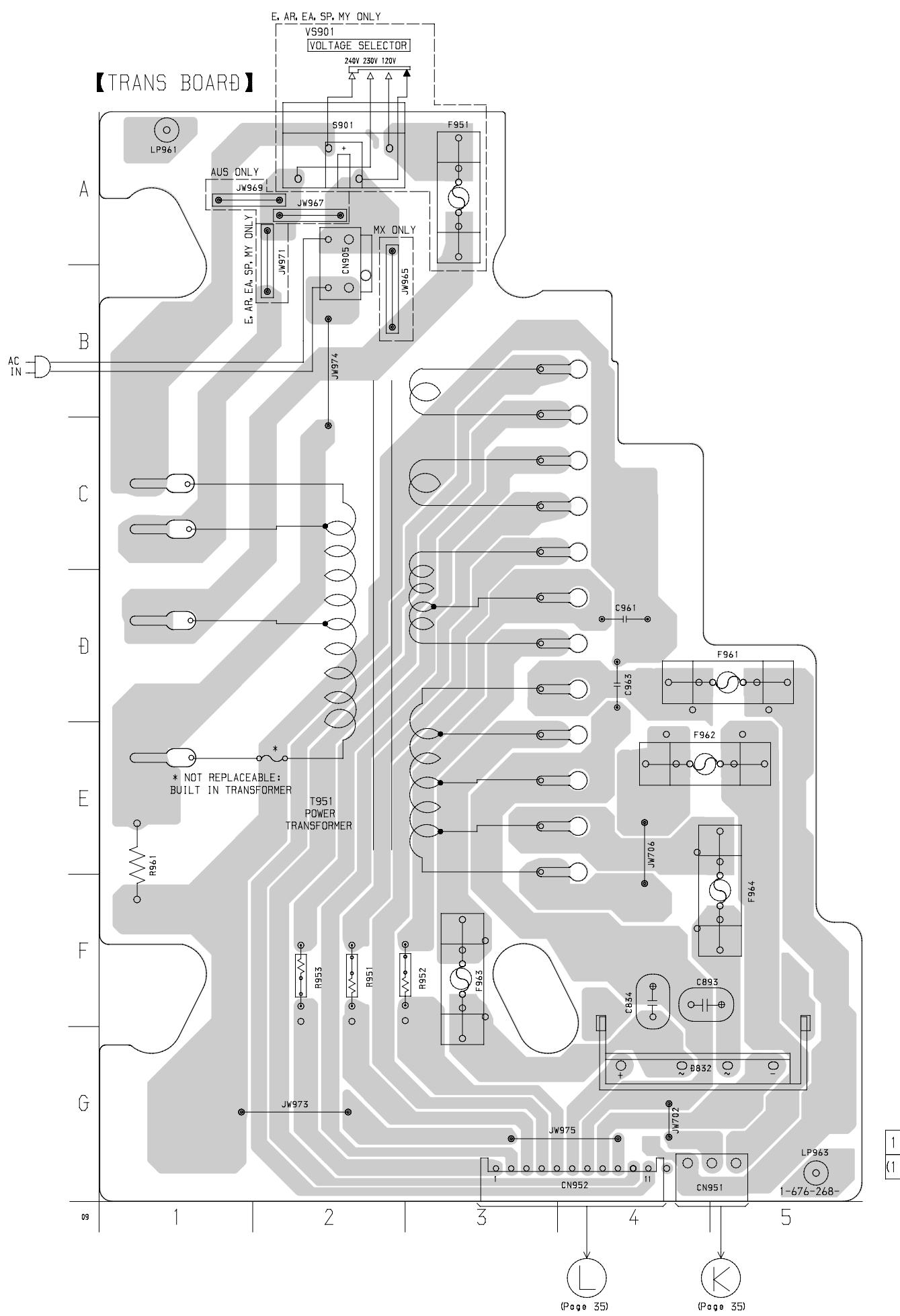


6-25. SCHEMATIC DIAGRAM – TRANS SECTION – (LX8 model)

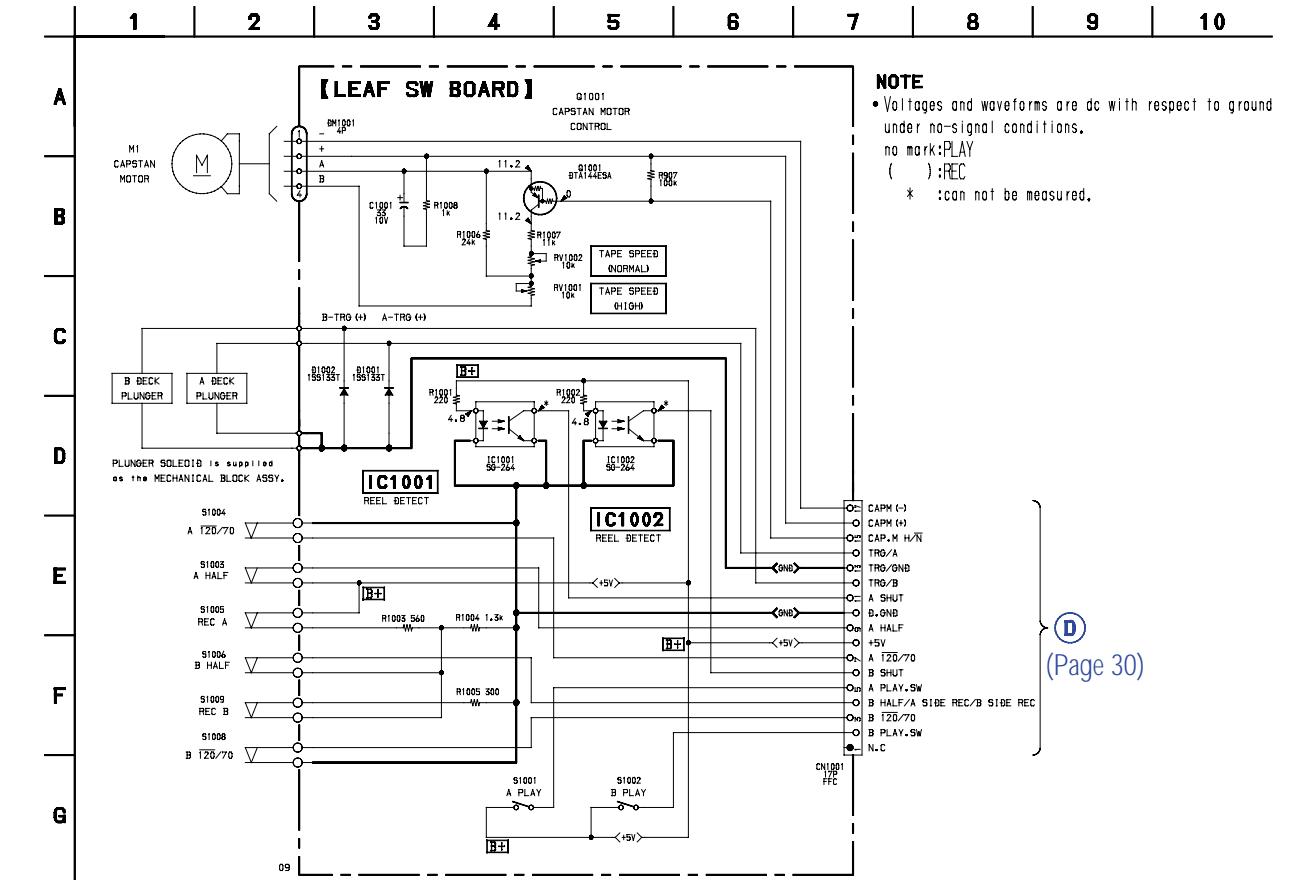


6-26. PRINTED WIRING BOARD – TRANS SECTION – (LX8 model)

- See page 17 for Circuit Boards Location.

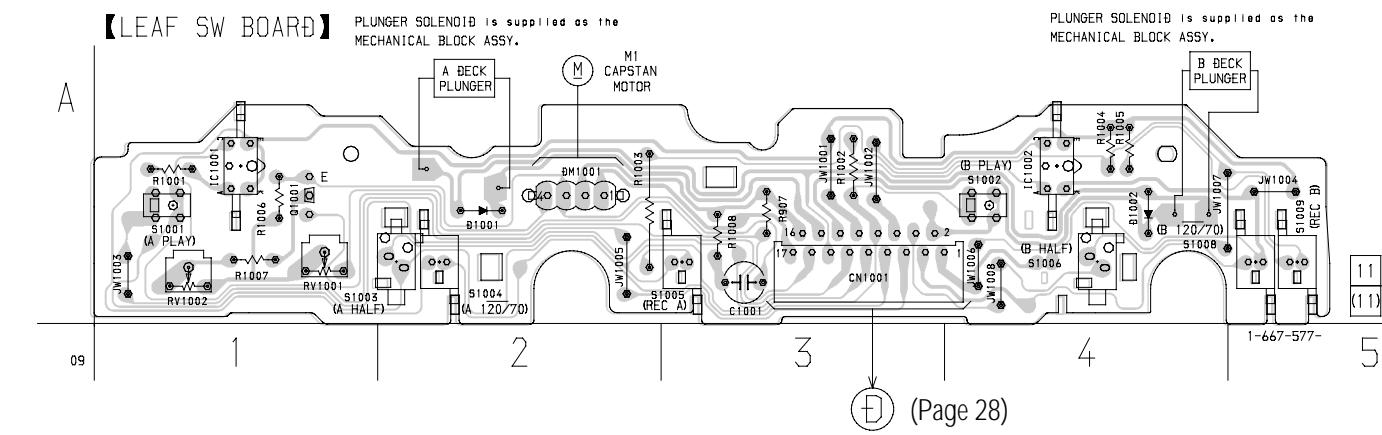


6-27. SCHEMATIC DIAGRAM – LEAF SW SECTION –



6-28. PRINTED WIRING BOARD – LEAF SW SECTION –

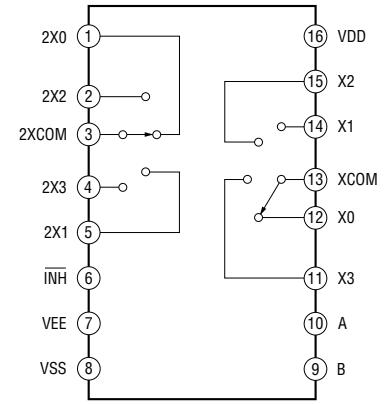
- See page 17 for Circuit Boards Location



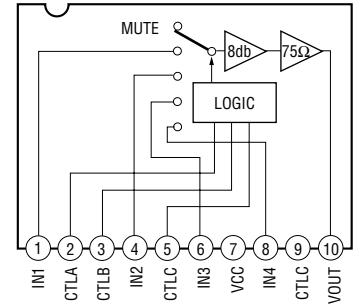
6-29. IC BLOCK DIAGRAMS

• MAIN (1/3) section

IC181 MC14052BF

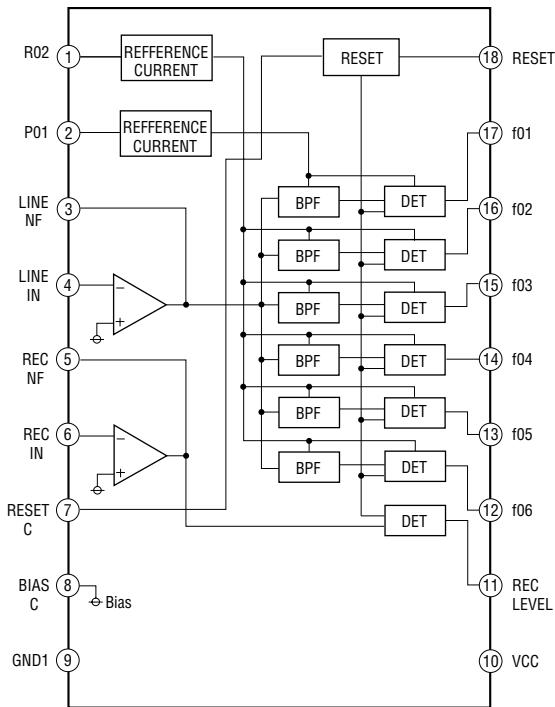


IC191 BA7615N



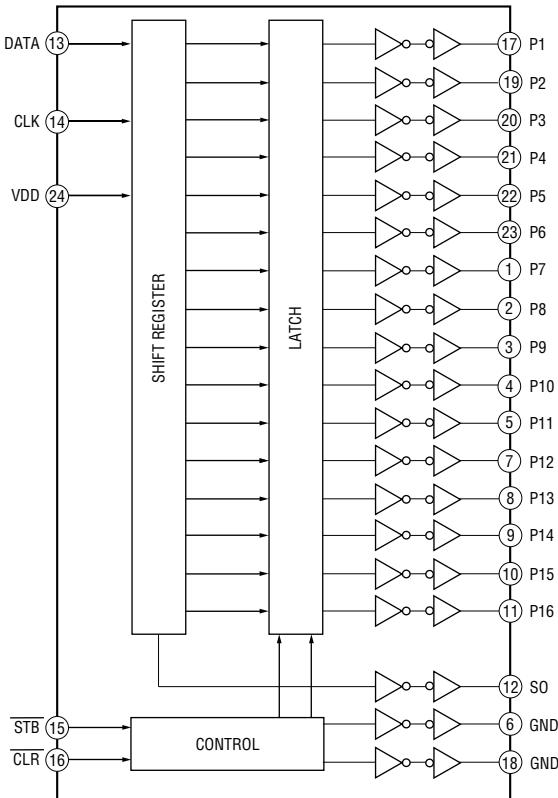
• PANEL FL section

IC603 BA3830F



• PANEL VR section

IC701 NJU3716L



6-30. IC PIN FUNCTIONS

• MAIN BOARD IC501 MAIN CONTROL (M306622 MA-A26FP)

| Pin No. | Pin Name | I/O | Function |
|---------|------------|-----|--|
| 1 | POWER | O | Power amp ON/OFF signal output |
| 2 | POWER | O | Power ON/OFF signal output |
| 3 | F-RELAY | O | Front speaker relay control output |
| 4 | REAR-RELAY | O | Rear speaker relay control output (Not used) |
| 5 | CD-POWER | O | CD power on signal output |
| 6 | LINE-MUTE | O | Line mute signal output |
| 7 | DBFB-H/L | O | DBFB H/L select signal output |
| 8 | — | — | Connected to ground |
| 9 | — | — | Connected to ground |
| 10 | XC-IN | I | X'tal (32.768 KHz) (SUB CLOCK) |
| 11 | XC-OUT | O | X'tal (16MHz) (MAIN SYSTEM CLOCK) |
| 12 | RESET | I | System reset signal input |
| 13 | X-OUT | O | X'tal (16MHz) (MAIN SYSTEM CLOCK) |
| 14 | VSS | — | Ground |
| 15 | X-IN | I | X'tal (16MHz) (MAIN SYSTEM CLOCK) |
| 16 | VDD | — | Power supply (+5V) |
| 17 | NMI | I | Not used |
| 18 | WAKE UP | I | WAKE UP signal input |
| 19 | SCOR | I | CD Q-data request signal input |
| 20 | RDS-INT | I | RDS data interrupt input |
| 21 | RDS-DATA | I | RDS data interrupt input |
| 22 | AC-CUT | I | AC cut ON (L)/OFF (H) check |
| 23 | PL-CLK | O | Clock output to pro-logic (Not used) |
| 24 | PL-DATA | O | Data output to pro-logic (Not used) |
| 25 | PL-LAT | O | Latch signal output to pro-logic (Not used) |
| 26 | TIMER LED | O | Not used |
| 27 | PROTECT | I | Speaker protect signal input |
| 28 | V MUTE | O | Video mute signal output |
| 29 | IIC-CLK | O | I ² C SCL |
| 30 | IIC-DATA | O | I ² C SDA |
| 31 | — | — | Not used |
| 32 | SQ-DATA | I | Subcode Q data clock input (CD data) |
| 33 | SQ-CLK | I | Subcode Q data clock input (CD data clock) |
| 34 | SW-MODE | O | SW-MODE music/movie select signal output |
| 35 | CD-DATA | O | CD data output |
| 36 | H/P IN | I | Head phone detect |
| 37 | CD-CLK | O | CD clock output |
| 38 | 493-LAT | O | Latch signal output for IC101 (M62493FP) |
| 39 | CLOCK-OUT | O | Clock out signal check |
| 40 | NO-USE | — | Not used |
| 41 | NO-USE | — | Not used |
| 42 | FL OFF | O | Fluorescent indicator tube filament on/off signal output |
| 43 | STBY RELAY | O | Main POWER on/off signal output |
| 44 | BASS FREQ | O | FREQ high/low signal output (Not used) |
| 45 | FUNC SEL 1 | O | Function select signal output |
| 46 | FUNC SEL 0 | O | Function select signal output |
| 47 | 493-DATA | O | Data signal output for IC101 (M62493FP) |
| 48 | 493-CLK | O | Clock signal output for IC101 (M62493FP) |
| 49 | ST-MUTE | O | Tuner mute signal output |

| Pin No. | Pin Name | I/O | Function |
|---------|----------------|-----|---|
| 50 | STEREO | I | Stereo detection for tuner |
| 51 | TUNED | I | Tuned detection for tuner |
| 52 | ST-CE | O | Tuner chip enable output |
| 53 | ST-DOUT | O | Tuner data output |
| 54 | ST-DIN | I | Tuner data input |
| 55 | ST-CLK | O | Tuner clock output |
| 56 | SENS | I | BD Condition signal input |
| 57 | HOLD | O | MODE signal output |
| 58 | XLT | O | CD latch signal output |
| 59 | XRST | O | CD reset signal output |
| 60 | DISC-SENS | I | Slit sensor of disc table input (Connected to ground) |
| 61 | T-SENS | I | CD table detection signal input |
| 62 | VDD | — | Power supply (+5V) |
| 63 | TBL-L | O | Table motor control output |
| 64 | VSS | I | Ground |
| 65 | TBL-R | O | Table motor control output |
| 66 | LOAD-OUT | O | Loading motor control signal output (Not used) |
| 67 | LOAD-IN | O | (not used) |
| 68 | ENC 3/UP-SW | I | Disc tray address detect encoder input |
| 69 | ENC 2/DISC-LED | O | Disc tray address LED drive signal output |
| 70 | ENC 1 | I | (Connected to ground) |
| 71 | OUT-OPEN | O | (Connected to ground) Loading out detection signal output |
| 72 | B-TRG | O | B deck trigger motor control output |
| 73 | A-TRG | O | A deck trigger motor control output |
| 74 | CAP-M-COT2 | O | Capstan motor REW/FWD/STOP signal output |
| 75 | CAP-M-COT1 | O | Capstan motor REW/FWD/STOP signal output |
| 76 | CAP-M-H/L | O | Capstan motor High/Low speed select signal output |
| 77 | AMS-IN | I | AMS signal input |
| 78 | TC-MUTE | O | TC line mute ON/OFF selection output |
| 79 | R/PB/PAS | O | REC/PB/PASS selection output |
| 80 | NR-ON/OFF | O | DOLBY NR ON/OFF signal output |
| 81 | REC-MUTE | O | REC mute ON/OFF selection output |
| 82 | BIAS | O | Bias ON/OFF signal output |
| 83 | EQ-H/N | O | Equalizer High/Normal select output |
| 84 | PB-A/B | O | PB A deck/B deck select output |
| 85 | ALC | O | ALC ON/OFF output signal |
| 86 | B-PLAY-SW | I | B deck play detect |
| 87 | A-PLAY-SW | I | A deck play detect |
| 88 | A-HALF | I | A Deck half detector signal input |
| 89 | B-HALF | I | B Deck half detector signal input |
| 90 | B-SHUT | I | B Deck reel pulse detector |
| 91 | A-SHUT | I | A Deck reel pulse detector |
| 92 | SOFT-TEST | O | Software test port (Not used) |
| 93 | HP-MUTE | O | Head phone mute signal output |
| 94 | KEY/CD-ADJ | I | KEY (use the jig)/CD adjust point port |
| 95 | MODEL IN | I | MODEL input |
| 96 | AVSS | — | Analog ground |
| 97 | SPEC-IN | I | Specifications input |
| 98 | VREF | I | Analog reference voltage input |
| 99 | AVCC | — | Analog power supply (+5V) |
| 100 | TC-RELAY | O | REC/PB head selection output for IC602 |

• PANEL FL BOARD IC601 DISPLAY CONTROL (TMP88CS76F-1A25)

| Pin No. | Pin Name | I/O | Function |
|----------|-----------------------|-----|---|
| 1 | SIRCS | I | Remote commander signal input |
| 2 | JOG A | I | Rotary encoder (S701) pulse input |
| 3 | LED SCK | O | LED clock signal output |
| 4 | LED LATCH | O | LED latch signal output |
| 5 | LED DAT | O | LED serial data output |
| 6 | LED POWER | — | Not used |
| 7 | LED SEL | O | LED select signal output |
| 8 | JOG B | I | Rotary encoder (S701) pulse input |
| 9 | VOLUME A | I | Rotary encoder (S701) pulse input |
| 10 | VOLUME B | I | |
| 11 to 15 | KEY 0 to KEY 4 | I | Key input |
| 16 to 20 | BPF 0 to BPF 4 | I | Rec level signal input |
| 21 | ALL BAND | O | Rec level signal output for auto DBDF |
| 22 | WAKE UP | O | Gradation right/WAKE UP signal output |
| 23 | Vss | — | Ground |
| 24 | VAss | — | |
| 25 | VRef | I | Analog reference voltage input |
| 26 | VDD | — | Power supply (+5V) |
| 27 to 40 | GR 3 to GR 16 | O | FL gride signal output |
| 41 | VDD VFT | — | Power supply (+5V) for VFT |
| 42, 43 | GR 1, GR 2 | O | FL gride signal output |
| 44 | SEG 0 | O | FL segment signal output (Not used) |
| 45 to 67 | SEG 1 to SEG 23 | O | FL segment signal output |
| 68 | Vkk | — | Power supply (-35V) for FL segment signal output |
| 69 | Vdd | — | Power supply (+5V) |
| 70 | X in | I | X'tal (12.5MHz) |
| 71 | Vss | — | Ground |
| 72 | X out | O | X'tal (12.5MHz) |
| 73 | RESET | I | Reset signal input from main controller |
| 74 | DAILY LED | O | LED driver output |
| 75 | REC LED | O | |
| 76 | TEST | I | Connected ground |
| 77 | LED-ECO | O | LED driver output |
| 78 | I ² C DATA | I | I ² C SDA input from master controller |
| 79 | I ² C CLK | I | I ² C SCL input from master controller |
| 80 | D-SW | I | Door switch signal input |

SECTION 7 EXPLODED VIEWS

NOTE:

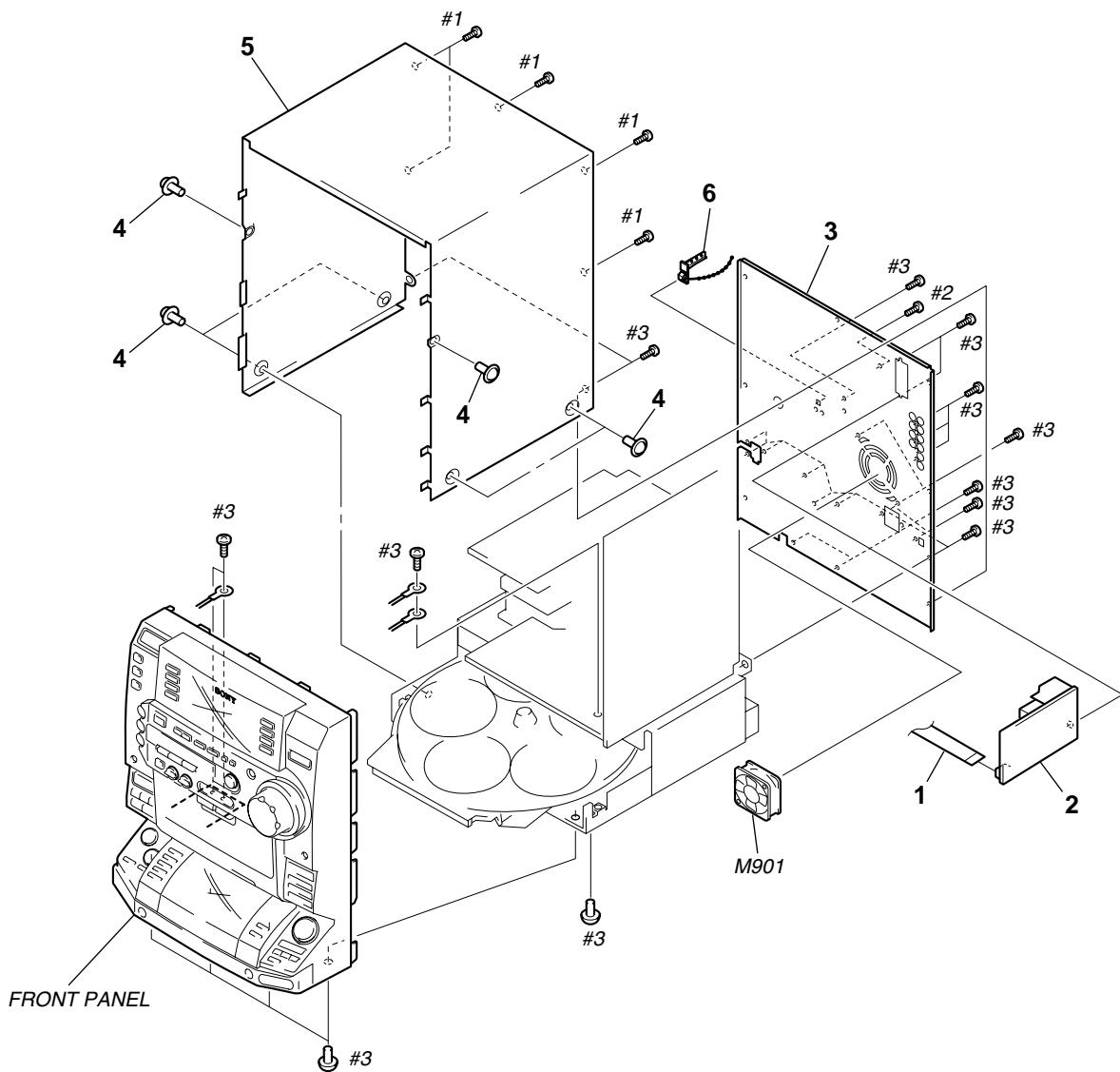
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

- Abbreviation

| | |
|-----|----------------------|
| SP | : Singapore model |
| MX | : Mexican model |
| AUS | : Australian model |
| EA | : Saudi Arabia model |
| AR | : Argentine model |
| MY | : Malaysia model |

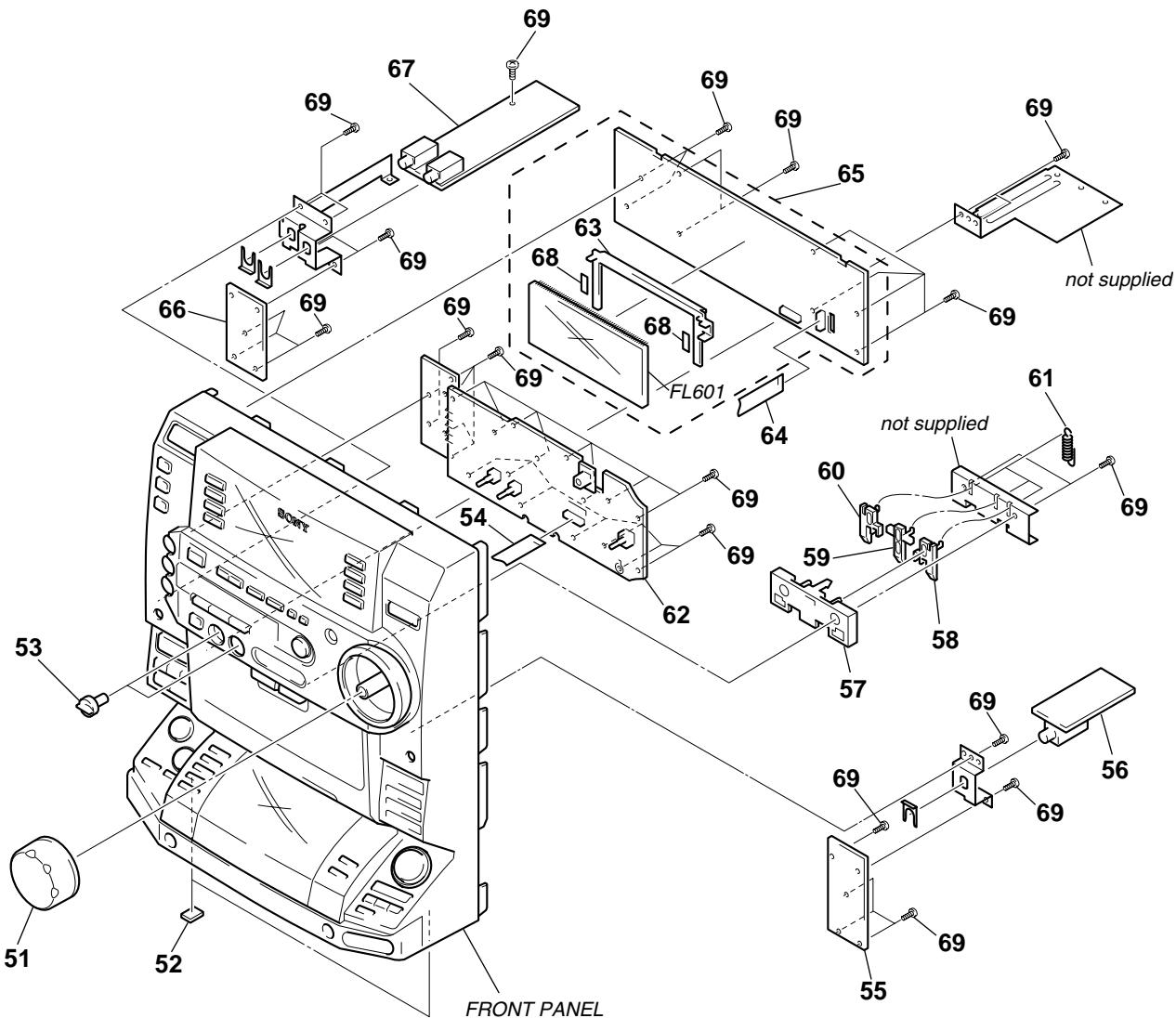
The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

7-1. CASE AND BACK PANEL SECTION



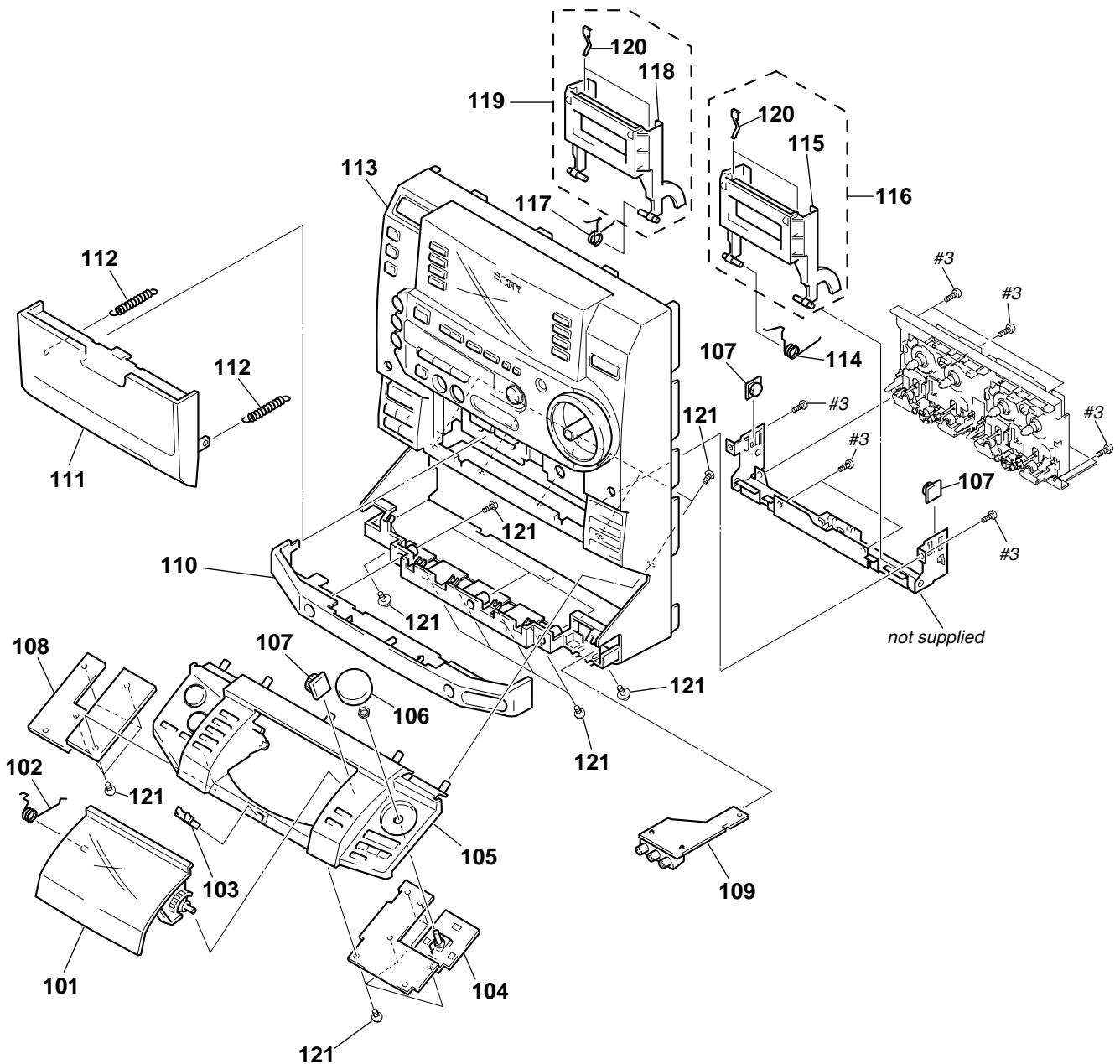
| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|--|--------|----------|--------------|-----------------------------------|--------|
| 1 | 1-769-977-11 | WIRE (FLAT TYPE)(13 CORE)(LX8) | | 3 | 4-225-529-31 | PANEL, BACK (LX8:SP,MY) | |
| 1 | 1-773-009-11 | WIRE (FLAT TYPE)(15 CORE)(LX7) | | 3 | 4-225-529-41 | PANEL, BACK (LX8:MX) | |
| 2 | 1-693-484-11 | TUNER (FM/AM)(LX8:E) | | 3 | 4-225-529-51 | PANEL, BACK (LX8:AUS) | |
| 2 | 1-693-488-11 | TUNER (FM/AM)(LX8:AR, MX, EA, SP, MY, AUS) | | 3 | 4-225-529-61 | PANEL, BACK (LX8:EA) | |
| 2 | 1-693-490-11 | TUNER (FM/AM)(LX7) | | 4 | 3-363-099-01 | SCREW (CASE 3 TP2) | |
| 3 | 4-225-529-11 | PANEL, BACK (LX7) | | 5 | 4-214-777-51 | CASE | |
| 3 | 4-225-529-21 | PANEL, BACK (LX8:E, AR) | | 6 | 4-956-370-12 | BAND, PLUG FIXED (LX7:UK/LX8:AUS) | |
| | | | M901 | | 1-763-072-11 | FAN, D.C. | |

7-2. FRONT PANEL SECTION 1



| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|---------------------------|--------|----------|--------------|--------------------------------|--------|
| 51 | 4-225-501-01 | KNOB (VOL) | | 62 | A-4428-168-A | PANEL-VR BOARD, COMPLETE (LX8) | |
| 52 | 4-948-236-21 | CUSHION (107) | | 62 | A-4428-198-A | PANEL-VR BOARD, COMPLETE (LX7) | |
| 53 | 4-225-502-01 | KNOB (MIC) | | 63 | 4-225-511-01 | HOLDER (FL) | |
| 54 | 1-773-150-11 | WIRE (FLAT TYPE)(21 CORE) | | 64 | 1-751-688-11 | WIRE (FLAT TYPE)(13 CORE) | |
| 55 | 1-676-275-11 | TC-B BOARD | | 65 | A-4428-215-A | PANEL-FL BOARD, COMPLETE | |
| 56 | 1-676-281-11 | HEADPHONE BOARD | | 66 | 1-676-274-11 | TC-A BOARD | |
| 57 | 4-226-883-01 | COVER (EJECT) | | 67 | A-4428-180-A | MIC BOARD, COMPLETE | |
| 58 | 4-226-881-01 | LEVER (EJECT-B) | | * 68 | 4-949-935-81 | CUSHION (FL) | |
| 59 | 4-226-882-01 | LEVER (EJECT-C) | | 69 | 4-951-620-01 | SCREW (2.6x8),+BVTP | |
| 60 | 4-226-880-01 | LEVER (EJECT-A) | | FL601 | 1-517-940-11 | INDICATOR TUBE, FLUORESCENT | |
| 61 | 4-226-889-01 | SPRING (LEVER) | | | | | |

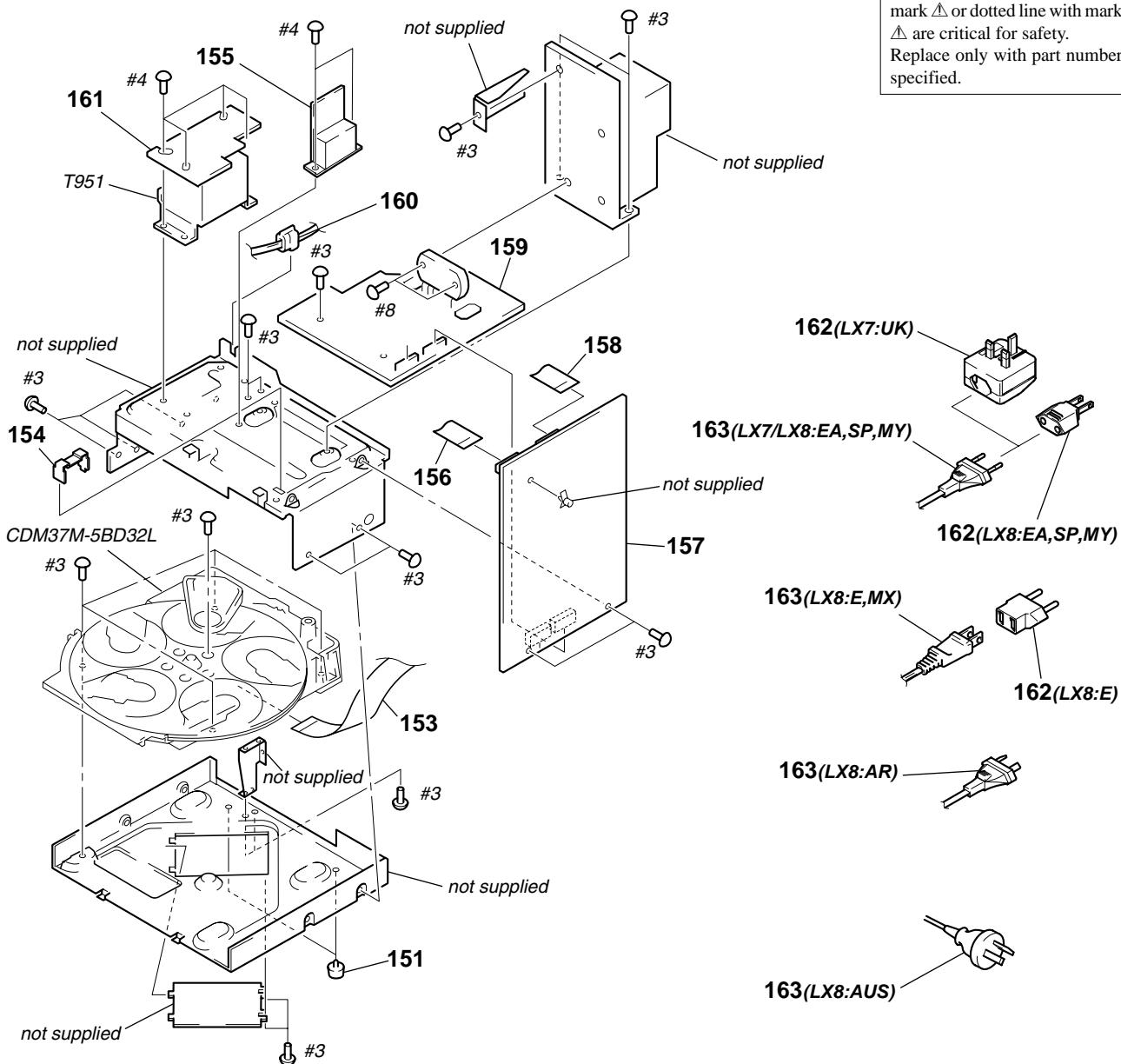
7-3. FRONT PANEL SECTION 2



| <u>Ref. No.</u> | <u>Part No.</u> | <u>Description</u> |
|-----------------|-----------------|-------------------------|
| 101 | X-4952-466-1 | LID (CD) ASSY |
| 102 | 4-225-524-01 | SPRING (CD) |
| 103 | 4-040-472-01 | LATCH, D.C. |
| 104 | A-4428-177-A | CD-R BOARD, COMPLETE |
| 105 | X-4952-462-1 | PANEL (CD) ASSY, SUB |
| 106 | 4-225-503-01 | KNOB (CD) |
| 107 | 4-224-104-21 | DAMPER |
| 108 | A-4428-176-A | CD-L BOARD, COMPLETE |
| 109 | 1-676-276-11 | FRONT INPUT BOARD |
| 110 | 4-225-516-41 | PLATE, ORNAMENTAL (LX7) |
| 110 | 4-225-516-91 | PLATE, ORNAMENTAL (LX7) |

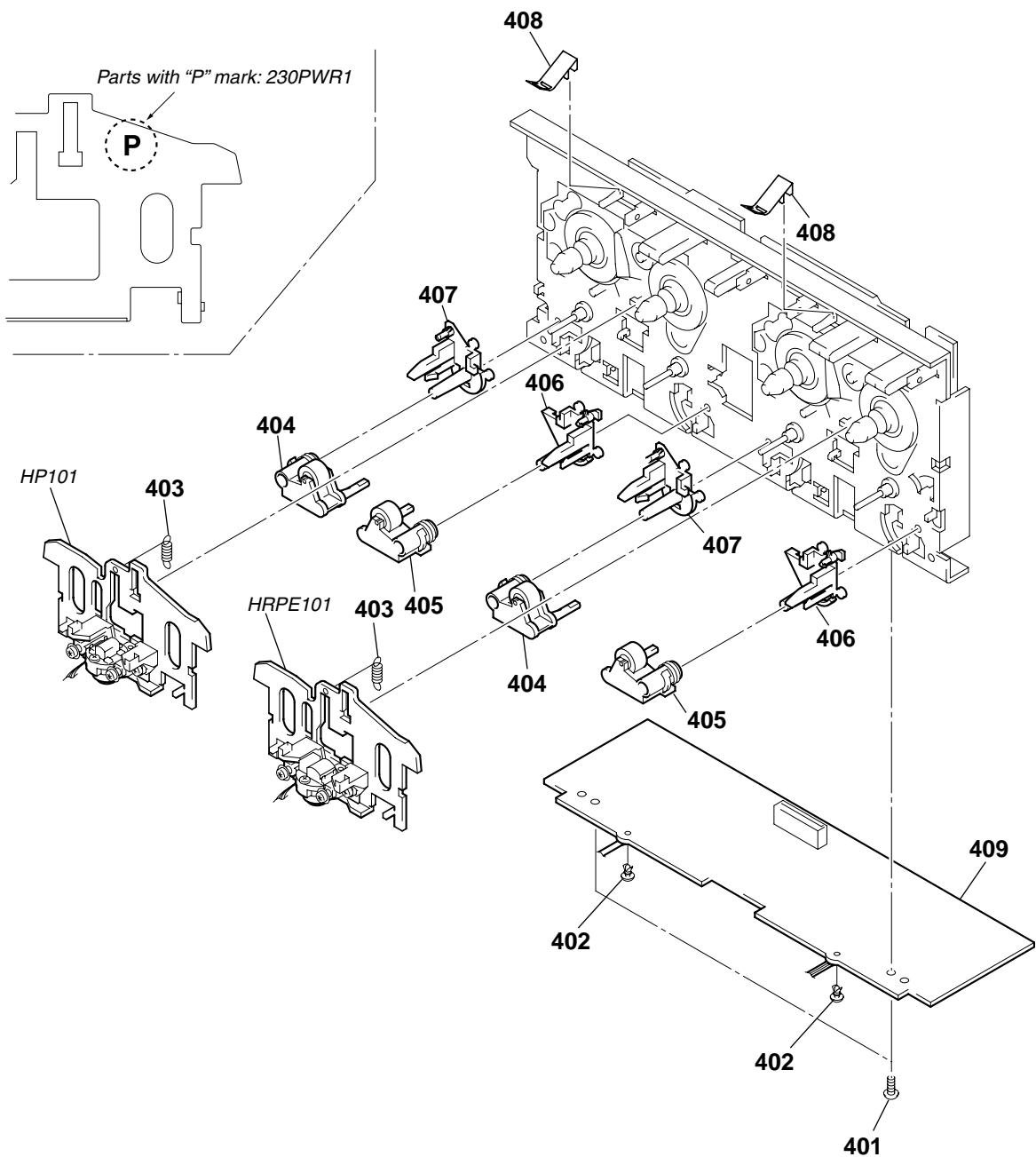
| <u>Remark</u> | <u>Ref. No.</u> | <u>Part No.</u> | <u>Description</u> |
|---------------|-----------------|-----------------|-------------------------|
| | 111 | X-4952-504-1 | LID (TC) ASSY |
| | 112 | 4-225-521-01 | SPRING (TC-LID) |
| | 113 | X-4952-526-1 | PANEL ASSY, FRONT (LX7) |
| | 113 | X-4952-625-1 | PANEL ASSY, FRONT (LX8) |
| | 114 | 4-225-523-01 | SPRING (DECK-B) |
| | 115 | 4-225-510-01 | HOLDER (DECK-B) |
| | 116 | X-4952-465-1 | HOLDER (DECK-B) ASSY |
| | 117 | 4-225-522-01 | SPRING (DECK-A) |
| | 118 | 4-225-509-01 | HOLDER (DECK-A) |
| | 119 | X-4952-464-1 | HOLDER (DECK-A) ASSY |
| | 120 | 4-959-229-11 | DETENT, CASSETTE |
| | 121 | 4-951-620-01 | SCREW (2.6x8), +BVTP |

7-4. CHASSIS SECTION



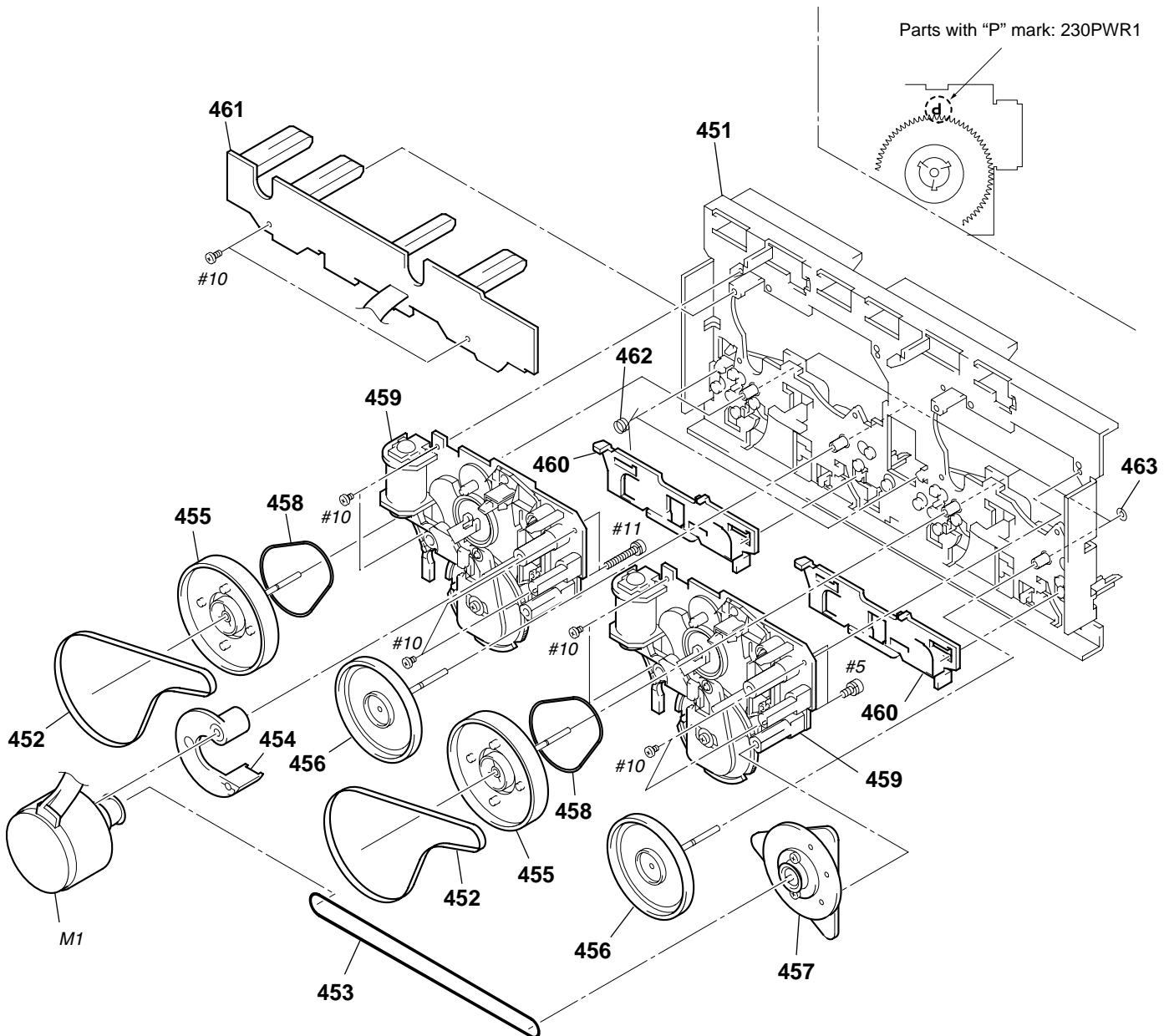
| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|---------------------------------------|--------|------------------|--------------|---|--------|
| 151 | X-4941-228-1 | FOOT (F22125H-M) | | 160 | 3-703-244-00 | BUSHING (FBS001), CORD (LX7/LX8:EA,AUS) | |
| 153 | 1-790-287-11 | WIRE (FLAT TYPE)(19 CORE) | | 160 | 4-966-266-01 | BUSHING (S)(FBS002), CORD (LX8:E,AR,MX,SP,MY) | |
| * 154 | 4-988-533-01 | HOLDER, PWB | | 161 | 1-676-267-11 | TRANS BOARD | |
| 155 | 1-676-268-11 | SUB TRANS BOARD (LX7) | | \triangle 162 | 1-569-007-11 | ADAPTOR, CONVERSION 2P (LX8:E) | |
| 156 | 1-773-056-11 | WIRE (FLAT TYPE)(17 CORE) | | \triangle 162 | 1-569-008-21 | ADAPTOR, CONVERSION 2P (LX8:EA,SP,MY) | |
| 157 | A-4428-224-A | MAIN BOARD, COMPLETE (LX7) | | \triangle 162 | 1-770-019-11 | ADAPTOR, CONVERSION PLUG 3P (LX7:UK) | |
| 157 | A-4428-229-A | MAIN BOARD, COMPLETE (LX8:E,AR) | | \triangle 163 | 1-696-847-11 | CORD, POWER (LX8:AUS) | |
| 157 | A-4428-743-A | MAIN BOARD, COMPLETE (LX8:MX) | | \triangle 163 | 1-777-071-51 | CORD, POWER (LX7/LX8:EA,SP,MY) | |
| 157 | A-4428-745-A | MAIN BOARD, COMPLETE (LX8:AUS) | | \triangle 163 | 1-783-941-11 | CORD, POWER (LX8:AR) | |
| 157 | A-4428-750-A | MAIN BOARD, COMPLETE (LX8:EA,SP,MY) | | \triangle 163 | 1-791-901-11 | CORD, POWER (LX8:E,MX) | |
| 158 | 1-773-032-11 | WIRE (FLAT TYPE)(15 CORE) | | \triangle T951 | 1-435-245-11 | TRANSFORMER, POWER (LX7) | |
| 159 | A-4428-225-A | PA BOARD, COMPLETE (LX7) | | \triangle T951 | 1-435-246-11 | TRANSFORMER, POWER (LX8) | |
| 159 | A-4428-230-A | PA BOARD, COMPLETE (LX8:E,AR,MX) | | | | | |
| 159 | A-4428-748-A | PA BOARD, COMPLETE (LX8:EA,SP,MY,AUS) | | | | | |

7-5. TC MECHANISM SECTION 1 (TCM230PWR1)



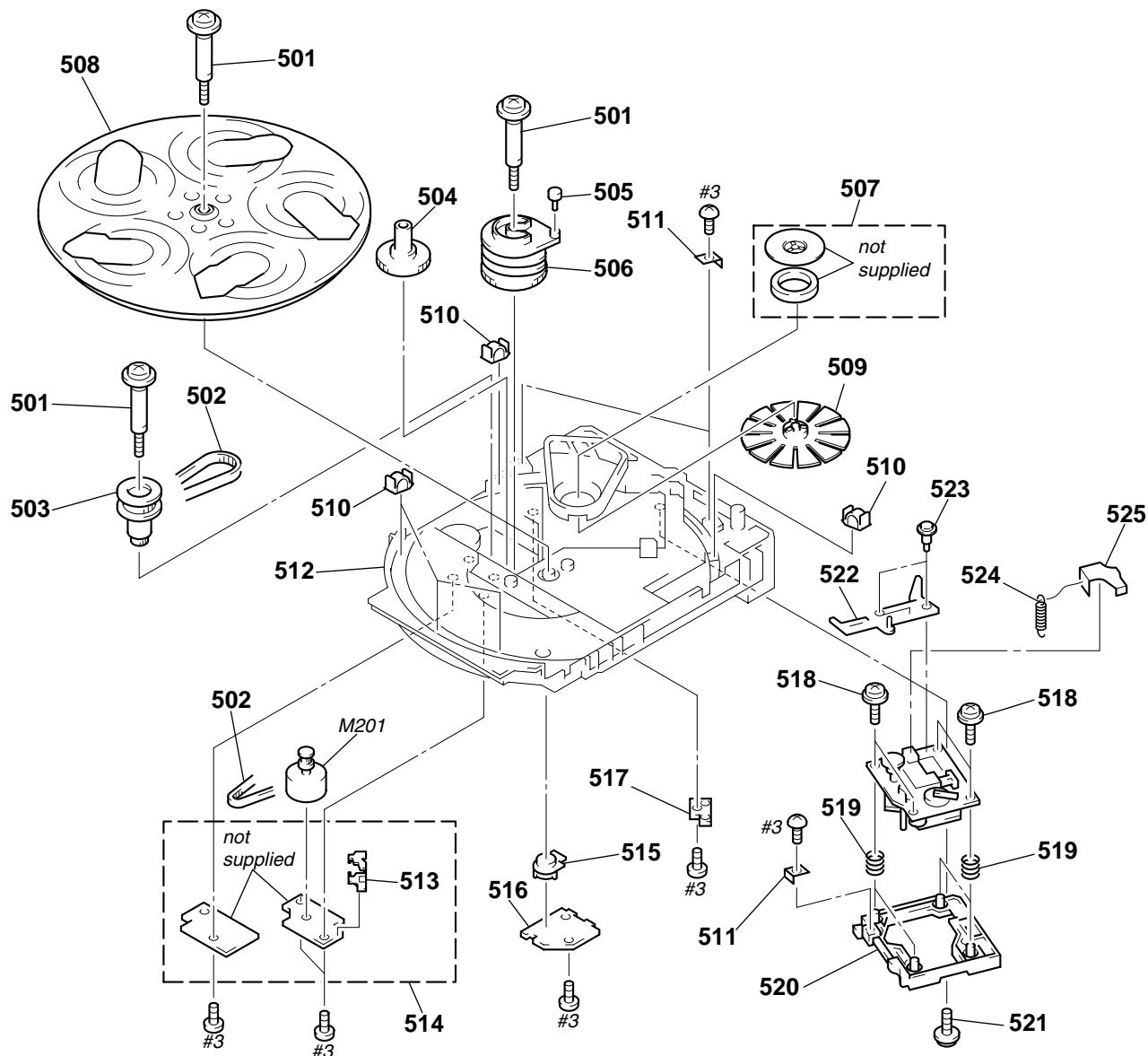
| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|----------------------------------|--------|----------|--------------|-------------------------------|--------|
| 401 | 3-376-464-11 | SCREW (+PTT 2.6X6), GROUND POINT | | 407 | 3-017-366-01 | BASE (PINCH LEVER REV) | |
| 402 | 3-911-116-42 | RIVET, PUSH | | 408 | 3-026-892-01 | SPRING (CASSETTE), LEAF | |
| 403 | 3-016-574-01 | SPRING (HEAD), TENSION | | * 409 | A-2007-791-A | AUDIO BOARD, COMPLETE | |
| 404 | X-3374-156-4 | PINCH LEVER (REV) ASSY | | HP101 | A-2056-683-B | DECK (A) ASSY, HEAD (230PWR1) | |
| 405 | X-3374-155-4 | PINCH LEVER (FWD) ASSY | | HRPE101 | A-2056-684-B | DECK (B) ASSY, HEAD (230PWR1) | |
| 406 | 3-017-365-01 | BASE (PINCH LEVER FWD) | | | | | |

7-6. TC MECHANISM SECTION 2 (TCM230PWR1)



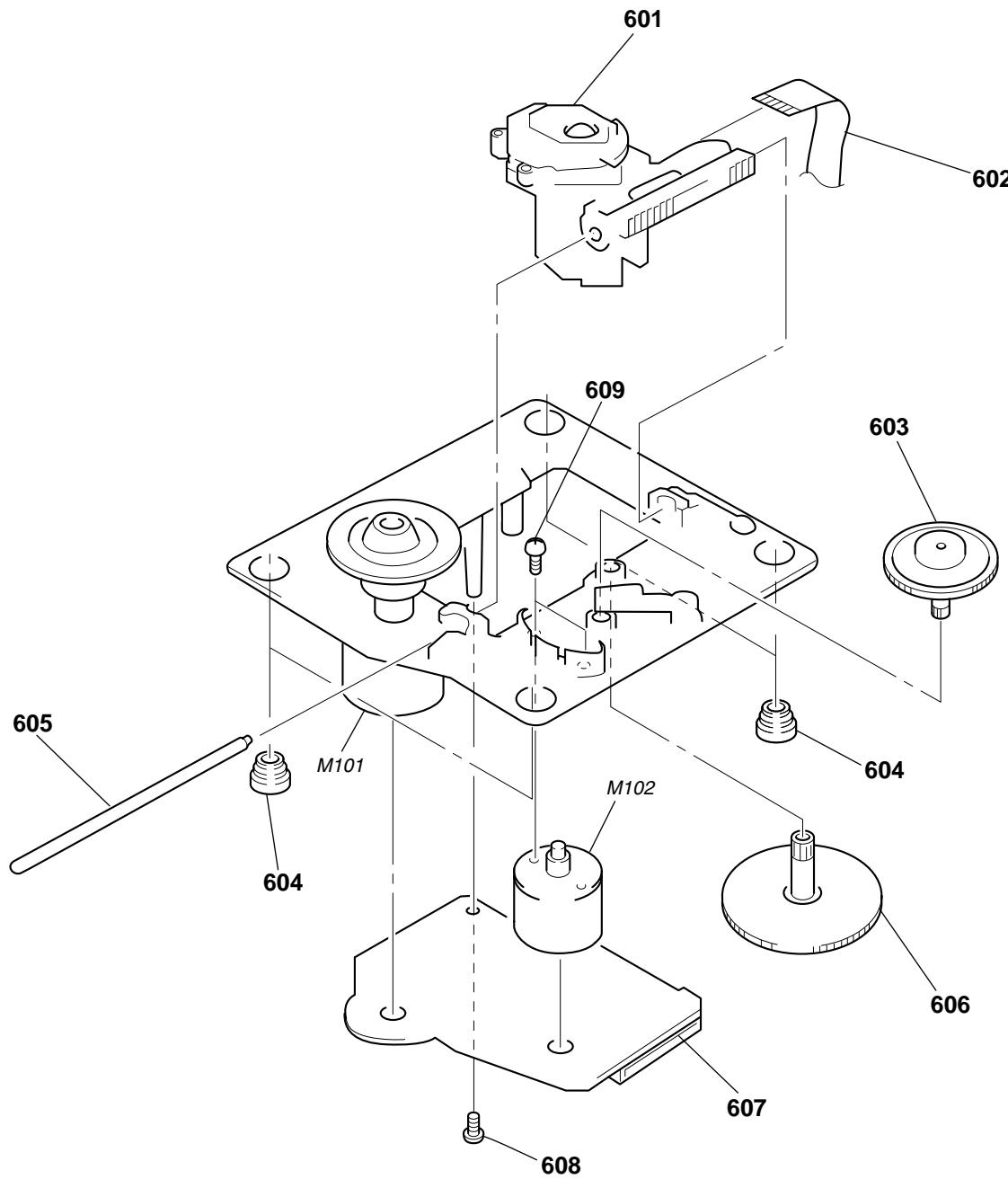
| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|----------------------|--------|----------|--------------|---------------------------------|--------|
| * 451 | X-3374-214-1 | CASSIS ASSY, MAIN | | 458 | 3-024-405-01 | BELT (FR) | |
| 452 | 3-016-570-01 | BELT (CAPSTAN) | | 459 | A-2004-630-A | MECHANICAL BLOCK ASSY (230PWR1) | |
| 453 | 3-016-569-01 | BELT (TENSION) | | 460 | 3-016-566-01 | SLIDER, REVERSE | |
| 454 | 3-016-568-01 | BRACKET (MOTOR) | | * 461 | A-2007-800-A | LEAF SW BOARD, COMPLETE | |
| 455 | X-3374-075-5 | FLYWHEEL (FWD) ASSY | | 462 | 3-016-575-01 | SPRING, TORSION | |
| 456 | X-3374-076-1 | FLYWHEEL (REV) ASSY | | 463 | 3-019-208-01 | WASHER, STOPPER | |
| 457 | X-3374-157-1 | PULLEY ASSY, TENSION | | M1 | A-2004-628-A | MOTOR ASSY, CAPSTAN | |

7-7. CD MECHANISM SECTION (CDM37M-5BD32L)



| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|--------------------------|--------|----------|--------------|------------------------------|--------|
| 501 | 4-987-976-01 | SCREW, STEP | | 515 | 4-978-426-01 | INDICATOR (NO.) | |
| 502 | 4-944-490-01 | BELT (TIMING) | | * 516 | 1-659-059-13 | LED BOARD | |
| 503 | A-4660-978-A | GEAR (PULLEY) ASSY | | * 517 | 1-659-058-13 | TABLE SENSOR BOARD | |
| 504 | 4-978-421-01 | GEAR (MID) | | 518 | 4-985-672-01 | SCREW (+PTPWHM2.6), FLOATING | |
| 505 | 4-978-425-01 | ROLLER (CAM) | | 519 | 4-958-593-01 | SPRING (BU), COMPRESSION | |
| 506 | 4-978-420-01 | CAM (HOLDER) | | * 520 | 4-978-419-01 | HOLDER (BU-5) | |
| 507 | 1-452-925-21 | MAGNET ASSY | | 521 | 4-998-716-01 | SCREW, BU FITTING | |
| 508 | 4-978-417-01 | TABLE, DISC | | 522 | 4-989-493-01 | SLIDER (37) | |
| 509 | 4-993-142-03 | PULLEY (L), PRESS | | 523 | 4-989-494-01 | SCREW (SLIDER), STEP | |
| 510 | X-4947-960-1 | ROLLER ASSY | | 524 | 4-989-819-21 | SPRING, TENSION | |
| * 511 | 4-978-583-01 | BRACKET (BU) | | 525 | 4-989-491-01 | COVER, LENS | |
| * 512 | 4-978-418-01 | CHASSIS | | M201 | A-4660-977-A | MOTOR ASSY (TABLE) | |
| * 513 | 4-980-385-01 | HOLDER (SW) | | | | | |
| * 514 | A-4673-765-A | CD MOTOR BOARD, COMPLETE | | | | | |

7-8. BASE UNIT SECTION (BU-5BD32L)



The components identified by mark \triangle or dotted line with mark \triangle are critical for safety.
Replace only with part number specified.

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|-----------------|--------------|-------------------------------|--------|----------|--------------|----------------------|--------|
| \triangle 601 | 8-820-020-02 | OPTICAL PICK-UP KSS-213D/Q-NP | | * 607 | A-4724-486-A | BD BOARD, COMPLETE | |
| 602 | 1-769-069-11 | WIRE (FLAT TYPE) (16 CORE) | | 608 | 4-951-620-01 | SCREW (2.6X8), +BVTP | |
| 603 | 4-917-567-21 | GEAR (M) | | 609 | 3-713-786-51 | SCREW +P 2X3 | |
| 604 | 4-951-940-01 | INSULATOR (BU) | | M101 | X-4917-523-3 | MOTOR ASSY (SPINDLE) | |
| 605 | 4-917-565-01 | SHAFT, SLED | | M102 | X-4917-504-1 | MOTOR ASSY (SLED) | |
| 606 | 4-917-564-01 | GEAR (P), FLATNESS | | | | | |

SECTION 8

ELECTRICAL PARTS LIST

AUDIO

Note:

The components identified by mark \triangle or dotted line with mark \triangle are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• RESISTORS

All resistors are in ohms

METAL: Metal-film resistor

METAL OXIDE: Metal Oxide-film resistor

F : nonflammable

• SEMICONDUCTORS

In each case, u: μ , for example:

uA...: μ A..., uPA...: μ PA..., uPB...: μ PB...,
uPC...: μ PC..., uPD...: μ PD...

• CAPACITORS

uF : μ F

• COILS

uH : μ H

• Abbreviation

SP : Singapore model

MX : Mexican model

AUS : Australian model

EA : Saudi Arabia model

AR : Argentine model

MY : Malaysia model

| Ref. No. | Part No. | Description | | | Remark | | Ref. No. | Part No. | Description | | | Remark | | | | | | | | | | | |
|---------------|--------------|------------------------------|----------|--------|--------|--|----------------|--------------|-------------|---------------|----|--------|--|--|--|--|--|--|--|--|--|--|--|
| | A-2007-799-A | AUDIO BOARD, COMPLETE | | | ***** | | | | < IC > | | | | | | | | | | | | | | |
| < CAPACITOR > | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| C301 | 1-162-289-31 | CERAMIC | 390PF | 10.00% | 50V | | IC601 | 8-759-111-44 | IC | uPC4570C-1 | | | | | | | | | | | | | |
| C302 | 1-126-968-11 | ELECT | 100uF | 20.00% | 6.3V | | IC602 | 8-759-143-54 | IC | uPC1330HA | | | | | | | | | | | | | |
| C303 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V | | IC611 | 8-759-111-44 | IC | uPC4570C-1 | | | | | | | | | | | | | |
| C304 | 1-130-483-00 | MYLAR | 0.01uF | 5% | 50V | | < COIL > | | | | | | | | | | | | | | | | |
| C305 | 1-107-715-11 | ELECT | 22uF | 20.00% | 16V | | L331 | 1-410-780-11 | INDUCTOR | 27MH | | | | | | | | | | | | | |
| C311 | 1-162-289-31 | CERAMIC | 390PF | 10.00% | 50V | | L431 | 1-410-780-11 | INDUCTOR | 27MH | | | | | | | | | | | | | |
| C313 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V | | L601 | 1-414-193-41 | INDUCTOR | 220uH | | | | | | | | | | | | | |
| C314 | 1-130-487-00 | MYLAR | 0.022uF | 5% | 50V | | L602 | 1-414-193-41 | INDUCTOR | 220uH | | | | | | | | | | | | | |
| C315 | 1-126-233-11 | ELECT | 22uF | 20% | 50V | | < TRANSISTOR > | | | | | | | | | | | | | | | | |
| C331 | 1-137-427-11 | MYLAR | 120PF | 5.00% | 50V | | Q621 | 8-729-142-46 | TRANSISTOR | 2SC2001TP-LK | | | | | | | | | | | | | |
| C332 | 1-162-288-31 | CERAMIC | 330PF | 10% | 50V | | Q622 | 8-729-142-46 | TRANSISTOR | 2SC2001TP-LK | | | | | | | | | | | | | |
| C333 | 1-162-209-31 | CERAMIC | 27PF | 5.00% | 50V | | Q623 | 8-729-801-93 | TRANSISTOR | 2SD1387-34-TP | | | | | | | | | | | | | |
| C401 | 1-162-289-31 | CERAMIC | 390PF | 10.00% | 50V | | < RESISTOR > | | | | | | | | | | | | | | | | |
| C402 | 1-126-968-11 | ELECT | 100uF | 20.00% | 6.3V | | R301 | 1-247-881-00 | CARBON | 120K | 5% | 1/4W | | | | | | | | | | | |
| C403 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V | | R302 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W | | | | | | | | | | | |
| C404 | 1-130-483-00 | MYLAR | 0.01uF | 5% | 50V | | R303 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W | | | | | | | | | | | |
| C405 | 1-107-715-11 | ELECT | 22uF | 20.00% | 16V | | R304 | 1-247-889-00 | CARBON | 270K | 5% | 1/4W | | | | | | | | | | | |
| C411 | 1-162-289-31 | CERAMIC | 390PF | 10.00% | 50V | | R305 | 1-247-858-11 | CARBON | 13K | 5% | 1/4W | | | | | | | | | | | |
| C413 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V | | R311 | 1-247-881-00 | CARBON | 120K | 5% | 1/4W | | | | | | | | | | | |
| C414 | 1-130-487-00 | MYLAR | 0.022uF | 5% | 50V | | R312 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | | | | | | | | | | | |
| C415 | 1-126-233-11 | ELECT | 22uF | 20% | 50V | | R314 | 1-247-882-11 | CARBON | 130K | 5% | 1/4W | | | | | | | | | | | |
| C431 | 1-137-427-11 | MYLAR | 120PF | 5.00% | 50V | | R315 | 1-247-850-11 | CARBON | 6.2K | 5% | 1/4W | | | | | | | | | | | |
| C432 | 1-162-288-31 | CERAMIC | 330PF | 10% | 50V | | R331 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W | | | | | | | | | | | |
| C433 | 1-162-209-31 | CERAMIC | 27PF | 5.00% | 50V | | R401 | 1-247-881-00 | CARBON | 120K | 5% | 1/4W | | | | | | | | | | | |
| C601 | 1-104-396-11 | ELECT | 10uF | 20.00% | 16V | | R402 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W | | | | | | | | | | | |
| C602 | 1-104-396-11 | ELECT | 10uF | 20.00% | 16V | | R403 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W | | | | | | | | | | | |
| C611 | 1-104-396-11 | ELECT | 10uF | 20.00% | 16V | | R404 | 1-247-889-00 | CARBON | 270K | 5% | 1/4W | | | | | | | | | | | |
| C612 | 1-104-396-11 | ELECT | 10uF | 20.00% | 16V | | R405 | 1-247-858-11 | CARBON | 13K | 5% | 1/4W | | | | | | | | | | | |
| C621 | 1-137-150-11 | FILM | 0.01uF | 5.00% | 100V | | R411 | 1-247-881-00 | CARBON | 120K | 5% | 1/4W | | | | | | | | | | | |
| C622 | 1-126-961-11 | ELECT | 2.2uF | 20.00% | 50V | | R412 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | | | | | | | | | | | |
| C623 | 1-136-155-00 | FILM | 0.015uF | 5% | 50V | | R414 | 1-247-882-11 | CARBON | 130K | 5% | 1/4W | | | | | | | | | | | |
| C624 | 1-130-481-00 | MYLAR | 0.0068uF | 5% | 50V | | R415 | 1-247-850-11 | CARBON | 6.2K | 5% | 1/4W | | | | | | | | | | | |
| C625 | 1-130-481-00 | MYLAR | 0.0068uF | 5% | 50V | | R431 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W | | | | | | | | | | | |
| C627 | 1-124-903-11 | ELECT | 1uF | 20.00% | 50V | | R601 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W | | | | | | | | | | | |
| C628 | 1-136-153-00 | FILM | 0.01uF | 5% | 50V | | R602 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W | | | | | | | | | | | |
| C642 | 1-104-664-11 | ELECT | 47uF | 20.00% | 16V | | R608 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W | | | | | | | | | | | |
| < CONNECTOR > | | | | | | | | | | | | | | | | | | | | | | | |
| CN601 | 1-695-338-11 | PIN, CONNECTOR (PC BOARD)15P | | | | | R609 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W | | | | | | | | | | | |
| | | | | | | | R611 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W | | | | | | | | | | | |
| | | | | | | | R612 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W | | | | | | | | | | | |

| Ref. No. | Part No. | Description | Remark | | Ref. No. | Part No. | Description | Remark | | | |
|---------------------------------|--------------|-------------------------------|----------|--------|----------|----------|--------------|-----------------------------------|-------------|-------|------|
| △R621 | 1-212-851-00 | FUSIBLE | 5.6 | 5% | 1/4W | C157 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| △R622 | 1-212-851-00 | FUSIBLE | 5.6 | 5% | 1/4W | C159 | 1-163-019-00 | CERAMIC CHIP | 0.0068uF | 10% | 50V |
| R623 | 1-249-432-11 | CARBON | 18K | 5% | 1/4W | C161 | 1-126-206-11 | ELECT CHIP | 100uF | 20% | 6.3V |
| R624 | 1-249-432-11 | CARBON | 18K | 5% | 1/4W | C162 | 1-126-205-11 | ELECT CHIP | 47uF | 20% | 6.3V |
| R625 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | C163 | 1-126-206-11 | ELECT CHIP | 100uF | 20% | 6.3V |
| | | < VARIABLE RESISTOR > | | | | C165 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| RV301 | 1-238-598-11 | RES, ADJ, CARBON 2.2K | | | | C167 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5.00% | 50V |
| RV311 | 1-238-598-11 | RES, ADJ, CARBON 2.2K | | | | C168 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5.00% | 50V |
| RV341 | 1-241-768-11 | RES, ADJ, CARBON 220K | | | | C171 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| RV401 | 1-238-598-11 | RES, ADJ, CARBON 2.2K | | | | C172 | 1-163-123-00 | CERAMIC CHIP | 180PF | 5% | 50V |
| RV411 | 1-238-598-11 | RES, ADJ, CARBON 2.2K | | | | C181 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| RV441 | 1-241-768-11 | RES, ADJ, CARBON 220K | | | | C182 | 1-163-123-00 | CERAMIC CHIP | 180PF | 5% | 50V |
| | | < CONNECTOR > | | | | | | | | | |
| RV441 | 1-241-768-11 | RES, ADJ, CARBON 220K | | | | CN101 | 1-778-874-11 | CONNECTOR, FFC (LIF (NON-ZIF))19P | | | |
| T621 | 1-423-980-11 | TRANSFORMER, BIAS OSCILLATION | | | | CN102 | 1-777-937-11 | CONNECTOR, FFC/FPC 16P | | | |
| < FERRITE BEAD > | | | | | | | | | | | |
| ***** | | | | | | | | | | | |
| A-4724-486-A BD BOARD, COMPLETE | | | | | | | | | | | |
| ***** | | | | | | | | | | | |
| < CAPACITOR > | | | | | | | | | | | |
| C101 | 1-163-005-11 | CERAMIC CHIP | 470PF | 10% | 50V | IC101 | 8-752-386-85 | IC | CXD2587Q | | |
| C102 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V | IC102 | 8-759-549-28 | IC | BA5974FP-E2 | | |
| C103 | 1-163-005-11 | CERAMIC CHIP | 470PF | 10% | 50V | IC103 | 8-752-085-51 | IC | CXA2568M-T6 | | |
| C104 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V | | | | | | |
| C108 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V | | | | | | |
| C109 | 1-163-011-11 | CERAMIC CHIP | 0.0015uF | 10% | 50V | Q101 | 8-729-010-08 | TRANSISTOR | MSB710-RT1 | | |
| C110 | 1-164-182-11 | CERAMIC CHIP | 0.0033uF | 10% | 50V | | | | | | |
| C111 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5.00% | 50V | | | | | | |
| C112 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V | | | | | | |
| C113 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V | | | | | | |
| C114 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V | | | | | | |
| C115 | 1-126-607-11 | ELECT CHIP | 47uF | 20% | 4V | | | | | | |
| C116 | 1-126-607-11 | ELECT CHIP | 47uF | 20% | 4V | | | | | | |
| C117 | 1-126-209-11 | ELECT CHIP | 100uF | 20.00% | 4V | | | | | | |
| C118 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V | | | | | | |
| C119 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5.00% | 50V | | | | | | |
| C121 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V | | | | | | |
| C122 | 1-126-206-11 | ELECT CHIP | 100uF | 20% | 6.3V | | | | | | |
| C123 | 1-163-021-91 | CERAMIC CHIP | 0.01uF | 10.00% | 50V | | | | | | |
| C124 | 1-107-823-11 | CERAMIC CHIP | 0.47uF | 10.00% | 16V | | | | | | |
| C125 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V | | | | | | |
| C126 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V | | | | | | |
| C127 | 1-128-065-11 | ELECT CHIP | 68uF | 20.00% | 10V | | | | | | |
| C128 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V | | | | | | |
| C129 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V | | | | | | |
| C130 | 1-164-346-11 | CERAMIC CHIP | 1uF | | 16V | | | | | | |
| C131 | 1-124-779-00 | ELECT CHIP | 10uF | 20% | 16V | | | | | | |
| C133 | 1-164-346-11 | CERAMIC CHIP | 1uF | | 16V | | | | | | |
| C140 | 1-164-346-11 | CERAMIC CHIP | 1uF | | 16V | | | | | | |
| C141 | 1-164-346-11 | CERAMIC CHIP | 1uF | | 16V | | | | | | |
| C143 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V | | | | | | |
| C151 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5.00% | 50V | | | | | | |
| C153 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V | | | | | | |
| C154 | 1-110-501-11 | CERAMIC CHIP | 0.33uF | 10.00% | 16V | | | | | | |
| C156 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5.00% | 50V | | | | | | |
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| Ref. No. | Part No. | Description | Remark | | | Ref. No. | Part No. | Description | Remark | | | | | | | |
|----------------|--------------------------|---------------------------------|--------|---|--------|---|---|-------------|--|--|--|--|--|--|--|--|
| R162 | 1-216-101-00 | METAL CHIP | 150K | 5% | 1/10W | | | | < DIODE > | | | | | | | |
| R171 | 1-216-078-00 | RES-CHIP | 16K | 5% | 1/10W | | | | | | | | | | | |
| R172 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W | | | | D641 8-719-058-04 DIODE SEL5223S-TP15 (NON-STOP) | | | | | | | |
| R173 | 1-216-077-91 | RES-CHIP | 15K | 5% | 1/10W | | | | < RESISTOR > | | | | | | | |
| R181 | 1-216-078-00 | RES-CHIP | 16K | 5% | 1/10W | | | | | | | | | | | |
| R182 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W | | | | R729 1-249-420-11 CARBON 1.8K 5% 1/4W F | | | | | | | |
| R183 | 1-216-077-91 | RES-CHIP | 15K | 5% | 1/10W | | | | R730 1-249-422-11 CARBON 2.7K 5% 1/4W F | | | | | | | |
| < NETWORK > | | | | | | | | | R731 1-247-843-11 CARBON 3.3K 5% 1/4W | | | | | | | |
| | | | | | | | | | R732 1-249-425-11 CARBON 4.7K 5% 1/4W F | | | | | | | |
| | | | | | | | | | R733 1-249-427-11 CARBON 6.8K 5% 1/4W F | | | | | | | |
| RN101 | 1-233-576-11 | RES, CHIP NETWORK 100 | | | | | | | | | | | | | | |
| RN102 | 1-233-576-11 | RES, CHIP NETWORK 100 | | | | | | | R734 1-249-429-11 CARBON 10K 5% 1/4W | | | | | | | |
| < SWITCH > | | | | | | | | | R735 1-249-431-11 CARBON 15K 5% 1/4W | | | | | | | |
| S101 | 1-572-085-11 | SWITCH, LEAF (LIMIT SW) | | | | | | | R736 1-249-434-11 CARBON 27K 5% 1/4W | | | | | | | |
| < VIBRATOR > | | | | | | | | | R745 1-249-408-11 CARBON 180 5% 1/4W F | | | | | | | |
| | | | | | | < SWITCH > | | | | | | | | | | |
| X101 | 1-767-408-21 | VIBRATOR, CRYSTAL 16.9344MHz | | | | S651 1-762-875-21 SWITCH, KEYBOARD (LOOP) | | | | | | | | | | |
| ***** | | | | | | | | | | | | | | | | |
| * A-4673-765-A | CD MOTOR BOARD, COMPLETE | | | S652 1-762-875-21 SWITCH, KEYBOARD (NON-STOP) | | | | | | | | | | | | |
| ***** | | | | | | | | | | | | | | | | |
| * 4-980-385-01 | HOLDER (SW) | | | S653 1-762-875-21 SWITCH, KEYBOARD (EDIT) | | | | | | | | | | | | |
| < CAPACITOR > | | | | | | S654 1-762-875-21 SWITCH, KEYBOARD (DISC 1) | | | | | | | | | | |
| | | | | | | S655 1-762-875-21 SWITCH, KEYBOARD (DISC 2) | | | | | | | | | | |
| | | | | | | S656 1-762-875-21 SWITCH, KEYBOARD (DISC 3) | | | | | | | | | | |
| | | | | | | S657 1-762-875-21 SWITCH, KEYBOARD (DISC 4) | | | | | | | | | | |
| | | | | | | S658 1-762-875-21 SWITCH, KEYBOARD (DISC 5) | | | | | | | | | | |
| | | | | | | S659 1-762-875-21 SWITCH, KEYBOARD (FLASH) | | | | | | | | | | |
| | | | | | | S691 1-762-587-11 SWITCH, PUSH (1 KEY)(DOOR SW) | | | | | | | | | | |
| ***** | | | | | | | | | | | | | | | | |
| C201 | 1-126-964-11 | ELECT | 10uF | 20.00% | 50V | | | | | | | | | | | |
| C202 | 1-164-159-21 | CERAMIC | 0.1uF | 50V | | | | | | | | | | | | |
| C203 | 1-126-964-11 | ELECT | 10uF | 20.00% | 50V | | | | | | | | | | | |
| < CONNECTOR > | | | | | | | | | | | | | | | | |
| * CN201 | 1-568-947-11 | PIN, CONNECTOR 9P | | | | < CAPACITOR > | | | | | | | | | | |
| < IC > | | | | | | C613 1-162-306-11 CERAMIC 0.01uF 30.00% 16V | | | | | | | | | | |
| IC201 | 8-759-365-94 | IC TA8409S | | | | < CONNECTOR > | | | C614 1-162-306-11 CERAMIC 0.01uF 30.00% 16V | | | | | | | |
| < COIL > | | | | | | | | | | | | | | | | |
| L201 | 1-408-117-00 | INDUCTOR | 10uH | | | | CN703 1-785-333-11 PIN, CONNECTOR (LIGHT ANGLE)7P | | | | | | | | | |
| < RESISTOR > | | | | | | < DIODE > | | | | | | | | | | |
| R205 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W F | D700 8-719-056-13 DIODE SML79423C-TP15 (►II) | | | | | | | | | | |
| R206 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F | < RESISTOR > | | | | | | | | | | |
| < SWITCH > | | | | | | R751 1-247-843-11 CARBON 3.3K 5% 1/4W | | | | | | | | | | |
| S201 | 1-762-587-11 | SWITCH, PUSH (1 KEY)(UP SWITCH) | | | | R752 1-249-425-11 CARBON 4.7K 5% 1/4W F | | | | | | | | | | |
| ***** | | | | | | R753 1-249-427-11 CARBON 6.8K 5% 1/4W F | | | | | | | | | | |
| | | | | | | R754 1-249-429-11 CARBON 10K 5% 1/4W | | | | | | | | | | |
| | | | | | | R755 1-249-431-11 CARBON 15K 5% 1/4W | | | | | | | | | | |
| | | | | | | R756 1-249-434-11 CARBON 27K 5% 1/4W | | | | | | | | | | |
| | | | | | | R757 1-249-438-11 CARBON 56K 5% 1/4W | | | | | | | | | | |
| | | | | | | R758 1-249-403-11 CARBON 68 5% 1/4W F | | | | | | | | | | |
| | | | | | | R759 1-249-403-11 CARBON 68 5% 1/4W F | | | | | | | | | | |
| < CAPACITOR > | | | | | | < SWITCH > | | | | | | | | | | |
| C691 | 1-162-306-11 | CERAMIC | 0.01uF | 30.00% | 16V | S676 1-762-875-21 SWITCH, KEYBOARD (►►) | | | | | | | | | | |
| < CONNECTOR > | | | | | | S677 1-762-875-21 SWITCH, KEYBOARD (►II) | | | | | | | | | | |
| CN812 | 1-785-332-11 | PIN, CONNECTOR (LIGHT ANGLE)6P | | | | S678 1-762-875-21 SWITCH, KEYBOARD (◀◀) | | | | | | | | | | |
| | | | | | | S679 1-762-875-21 SWITCH, KEYBOARD (DISC SKIP) | | | | | | | | | | |
| | | | | | | S680 1-762-875-21 SWITCH, KEYBOARD (■) | | | | | | | | | | |

CD-R

FRONT INPUT

HEADPHONE

LEAF SW

LED

| Ref. No. | Part No. | Description | | | Remark | | Ref. No. | Part No. | Description | | | Remark | | |
|----------|--------------|--------------------------------|---------|--------|--------------|---|----------|--------------|---|--------------|----|--------|---|--|
| S681 | 1-762-875-21 | SWITCH, KEYBOARD (PLAY MODE) | | | | | | | < DIODE > | | | | | |
| S682 | 1-762-875-21 | SWITCH, KEYBOARD (REPEAT) | | | | | D1001 | 8-719-991-33 | DIODE | 1SS133T-77 | | | | |
| S701 | 1-473-393-11 | ENCODER, ROTARY (◀◀ AMS ▶▶) | | | | | D1002 | 8-719-991-33 | DIODE | 1SS133T-77 | | | | |
| ***** | | | | | | | | | | | | | | |
| | 1-676-276-11 | FRONT INPUT BOARD | | | ***** | | | | < CABLE HOLDER > | | | | | |
| | | < CAPACITOR > | | | | | | | < IC > | | | | | |
| C801 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V | | IC1001 | 8-749-014-38 | PHOTO INTERRUPTER | SG-264 | | | | |
| C802 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V | | IC1002 | 8-749-014-38 | PHOTO INTERRUPTER | SG-264 | | | | |
| C811 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V | | | | < TRANSISTOR > | | | | | |
| C812 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V | | Q1001 | 8-729-029-56 | TRANSISTOR | DTA144ESA-TP | | | | |
| C813 | 1-126-960-11 | ELECT | 1uF | 20.00% | 50V | | | | < RESISTOR > | | | | | |
| | | < FILTER > | | | | | R907 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | | |
| FL803 | 1-424-228-11 | FILTER, NOISE | | | < JACK > | | R1001 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W | | |
| J804 | 1-764-592-41 | JACK 3P (VIDEO 2) | | | | | R1002 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W | | |
| | | < RESISTOR > | | | | | R1003 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | F | |
| R801 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | F | R1004 | 1-247-834-11 | CARBON | 1.3K | 5% | 1/4W | | |
| R802 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | | R1005 | 1-247-818-91 | CARBON | 300 | 5% | 1/4W | | |
| R803 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | F | R1006 | 1-247-864-11 | CARBON | 24K | 5% | 1/4W | | |
| R804 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | | R1007 | 1-247-856-00 | CARBON | 11K | 5% | 1/4W | | |
| R805 | 1-247-804-11 | CARBON | 75 | 5% | 1/4W | | R1008 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | F | |
| ***** | | | | | | | | | | | | | | |
| | 1-676-281-11 | HEADPHONE BOARD | | | ***** | | | | < VARIABLE RESISTOR > | | | | | |
| | | < CAPACITOR > | | | | | | | RV1001 1-241-785-11 RES, ADJ, CARBON 10K | | | | | |
| C891 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V | | | | RV1002 1-241-785-11 RES, ADJ, CARBON 10K | | | | | |
| C892 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V | | | | < SWITCH > | | | | | |
| C893 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V | | | | S1001 1-570-953-11 SWITCH, PUSH (1 KEY)(A PLAY) | | | | | |
| | | < CONNECTOR > | | | | | | | S1002 1-570-953-11 SWITCH, PUSH (1 KEY)(B PLAY) | | | | | |
| CN802 | 1-785-330-11 | PIN, CONNECTOR (LIGHT ANGLE)4P | | | | | | | S1003 1-771-333-11 SWITCH, LEAF (A HALF) | | | | | |
| | | < JACK > | | | | | | | S1004 1-771-205-11 SWITCH, LEAF (A 120/70) | | | | | |
| J803 | 1-770-226-41 | JACK (LARGE TYPE)(PHONES) | | | < RESISTOR > | | | | S1005 1-771-205-11 SWITCH, LEAF (REC A) | | | | | |
| R810 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | | | | S1006 1-771-333-11 SWITCH, LEAF (B HALF) | | | | | |
| ***** | | | | | | | | | S1008 1-771-205-11 SWITCH, LEAF (B 120/70) | | | | | |
| | | < CONNECTOR > | | | | | | | S1009 1-771-205-11 SWITCH, LEAF (REC B) | | | | | |
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| | | < RESISTOR > | | | | | | | * 1-659-059-13 LED BOARD | | | | | |
| | | < CONNECTOR > | | | ***** | | | | < DIODE > | | | | | |
| | | < JACK > | | | | | | | D201 8-719-032-98 DIODE SEL5820A-TP15 | | | | | |
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| | | < CONNECTOR > | | | | | | | Q201 8-729-119-78 TRANSISTOR 2SC2785TP-HFE | | | | | |
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| | | < RESISTOR > | | | | | | | R201 1-247-863-91 CARBON 22K 5% 1/4W | | | | | |
| | | < CONNECTOR > | | | | | | | R202 1-249-411-11 CARBON 330 5% 1/4W | | | | | |
| | | < JACK > | | | | | | | R203 1-249-437-11 CARBON 47K 5% 1/4W | | | | | |
| | | < RESISTOR > | | | | | | | < DIODE > | | | | | |
| | | < CONNECTOR > | | | | | | | * 1-659-059-13 LED BOARD | | | | | |
| | | < JACK > | | | ***** | | | | < DIODE > | | | | | |
| | | < RESISTOR > | | | | | | | D201 8-719-032-98 DIODE SEL5820A-TP15 | | | | | |
| | | < CONNECTOR > | | | | | | | < TRANSISTOR > | | | | | |
| | | < JACK > | | | | | | | Q201 8-729-119-78 TRANSISTOR 2SC2785TP-HFE | | | | | |
| | | < RESISTOR > | | | | | | | < RESISTOR > | | | | | |
| | | < CONNECTOR > | | | | | | | R201 1-247-863-91 CARBON 22K 5% 1/4W | | | | | |
| | | < JACK > | | | ***** | | | | R202 1-249-411-11 CARBON 330 5% 1/4W | | | | | |
| | | < RESISTOR > | | | | | | | R203 1-249-437-11 CARBON 47K 5% 1/4W | | | | | |
| | | < CONNECTOR > | | | | | | | < DIODE > | | | | | |
| | | < JACK > | | | ***** | | | | * 1-659-059-13 LED BOARD | | | | | |
| | | < RESISTOR > | | | | | | | < DIODE > | | | | | |
| | | < CONNECTOR > | | | | | | | D201 8-719-032-98 DIODE SEL5820A-TP15 | | | | | |
| | | < JACK > | | | ***** | | | | < TRANSISTOR > | | | | | |
| | | < RESISTOR > | | | | | | | Q201 8-729-119-78 TRANSISTOR 2SC2785TP-HFE | | | | | |
| | | < CONNECTOR > | | | | | | | < RESISTOR > | | | | | |
| | | < JACK > | | | ***** | | | | R201 1-247-863-91 CARBON 22K 5% 1/4W | | | | | |
| | | < RESISTOR > | | | | | | | R202 1-249-411-11 CARBON 330 5% 1/4W | | | | | |
| | | < CONNECTOR > | | | | | | | R203 1-249-437-11 CARBON 47K 5% 1/4W | | | | | |
| | | < JACK > | | | ***** | | | | < DIODE > | | | | | |
| | | < RESISTOR > | | | | | | | * 1-659-059-13 LED BOARD | | | | | |
| | | < CONNECTOR > | | | | | | | < DIODE > | | | | | |
| | | < JACK > | | | ***** | | | | D201 8-719-032-98 DIODE SEL5820A-TP15 | | | | | |
| | | < RESISTOR > | | | | | | | < TRANSISTOR > | | | | | |
| | | < CONNECTOR > | | | | | | | Q201 8-729-119-78 TRANSISTOR 2SC2785TP-HFE | | | | | |
| | | < JACK > | | | ***** | | | | < RESISTOR > | | | | | |
| | | < CONNECTOR > | | | | | | | R201 1-247-863-91 CARBON 2 | | | | | |

| Ref. No. | Part No. | Description | | Remark | | Ref. No. | Part No. | Description | | Remark | | |
|----------|---------------|--|--------------|----------|--------|----------|--------------|--------------|--------------|----------|--------|-------|
| | A-4428-224-A | MAIN BOARD, COMPLETE (LX7) ***** | | | | C301 | 1-126-960-11 | ELECT | 1uF | 20.00% | 50V | |
| | | | | | | C302 | 1-130-479-00 | MYLAR | 0.0047uF | 5% | 50V | |
| | A-4428-229-A | MAIN BOARD, COMPLETE (LX8:EAR) ***** | | | | C303 | 1-136-165-00 | MYLAR | 0.1uF | 5.00% | 50V | |
| | | | | | | C304 | 1-136-165-00 | MYLAR | 0.1uF | 5.00% | 50V | |
| | A-4428-743-A | MAIN BOARD, COMPLETE (LX8:MX) ***** | | | | C305 | 1-126-964-11 | ELECT | 10uF | 20.00% | 50V | |
| | | | | | | C306 | 1-126-960-11 | ELECT | 1uF | 20.00% | 50V | |
| | A-4428-745-A | MAIN BOARD, COMPLETE (LX8:AUS) ***** | | | | C307 | 1-126-959-11 | ELECT | 0.47uF | 20.00% | 50V | |
| | | | | | | C308 | 1-126-964-11 | ELECT | 10uF | 20.00% | 50V | |
| | A-4428-750-A | MAIN BOARD, COMPLETE (LX8:EA,SP,MY) ***** | | | | C309 | 1-137-194-81 | MYLAR | 0.47uF | 5.00% | 50V | |
| | 4-875-327-31 | HEAT SINK | | | | C310 | 1-163-005-11 | CERAMIC CHIP | 470PF | 10% | 50V | |
| | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 N-S | | | | C311 | 1-126-964-11 | ELECT | 10uF | 20.00% | 50V | |
| | < CAPACITOR > | | | | | C312 | 1-126-959-11 | ELECT | 0.47uF | 20.00% | 50V | |
| | C111 | 1-137-195-11 | MYLAR | 0.56uF | 5.00% | 50V | C313 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| | C112 | 1-130-488-00 | MYLAR | 0.027uF | 5% | 50V | C314 | 1-126-964-11 | ELECT | 10uF | 20.00% | 50V |
| | C113 | 1-136-167-00 | MYLAR | 0.15uF | 5.00% | 50V | C315 | 1-126-963-11 | ELECT | 4.7uF | 20.00% | 50V |
| | C114 | 1-130-480-00 | MYLAR | 0.0056uF | 5% | 50V | C316 | 1-104-665-11 | ELECT | 100uF | 20.00% | 10V |
| | C115 | 1-130-489-00 | MYLAR | 0.033uF | 5% | 50V | C317 | 1-104-665-11 | ELECT | 100uF | 20.00% | 10V |
| | C116 | 1-130-473-00 | MYLAR | 0.0015uF | 5% | 50V | C320 | 1-163-005-11 | CERAMIC CHIP | 470PF | 10% | 50V |
| | C117 | 1-130-483-00 | MYLAR | 0.01uF | 5% | 50V | C333 | 1-163-017-00 | CERAMIC CHIP | 0.0047uF | 5% | 50V |
| | C118 | 1-163-129-00 | CERAMIC CHIP | 330PF | 5% | 50V | C334 | 1-163-017-00 | CERAMIC CHIP | 0.0047uF | 5% | 50V |
| | C119 | 1-130-479-00 | MYLAR | 0.0047uF | 5% | 50V | C351 | 1-126-960-11 | ELECT | 1uF | 20.00% | 50V |
| | C120 | 1-130-477-00 | MYLAR | 0.0033uF | 5% | 50V | C352 | 1-130-479-00 | MYLAR | 0.0047uF | 5% | 50V |
| | C121 | 1-126-964-11 | ELECT | 10uF | 20.00% | 50V | C353 | 1-136-165-00 | MYLAR | 0.1uF | 5.00% | 50V |
| | C122 | 1-163-006-11 | CERAMIC CHIP | 560PF | 10.00% | 50V | C354 | 1-136-165-00 | MYLAR | 0.1uF | 5.00% | 50V |
| | C123 | 1-136-169-00 | MYLAR | 0.22uF | 5.00% | 50V | C355 | 1-126-964-11 | ELECT | 10uF | 20.00% | 50V |
| | C124 | 1-136-169-00 | MYLAR | 0.22uF | 5.00% | 50V | C356 | 1-126-960-11 | ELECT | 1uF | 20.00% | 50V |
| | C125 | 1-126-964-11 | ELECT | 10uF | 20.00% | 50V | C357 | 1-126-959-11 | ELECT | 0.47uF | 20.00% | 50V |
| | C131 | 1-104-664-11 | ELECT | 47uF | 20.00% | 16V | C358 | 1-126-964-11 | ELECT | 10uF | 20.00% | 50V |
| | C132 | 1-104-664-11 | ELECT | 47uF | 20.00% | 16V | C359 | 1-137-194-81 | MYLAR | 0.47uF | 5.00% | 50V |
| | C135 | 1-126-964-11 | ELECT | 10uF | 20.00% | 50V | C401 | 1-126-961-11 | ELECT | 2.2uF | 20.00% | 50V |
| | C161 | 1-137-195-11 | MYLAR | 0.56uF | 5.00% | 50V | C411 | 1-163-033-91 | CERAMIC CHIP | 0.022uF | 50V | |
| | C162 | 1-130-488-00 | MYLAR | 0.027uF | 5% | 50V | C412 | 1-163-033-91 | CERAMIC CHIP | 0.022uF | 50V | |
| | C163 | 1-136-167-00 | MYLAR | 0.15uF | 5.00% | 50V | C415 | 1-163-005-11 | CERAMIC CHIP | 470PF | 10% | 50V |
| | C164 | 1-130-480-00 | MYLAR | 0.0056uF | 5% | 50V | C416 | 1-126-925-11 | ELECT | 470uF | 20.00% | 10V |
| | C165 | 1-130-489-00 | MYLAR | 0.033uF | 5% | 50V | C431 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | 25V | |
| | C166 | 1-130-473-00 | MYLAR | 0.0015uF | 5% | 50V | C451 | 1-126-961-11 | ELECT | 2.2uF | 20.00% | 50V |
| | C167 | 1-130-483-00 | MYLAR | 0.01uF | 5% | 50V | C510 | 1-163-233-11 | CERAMIC CHIP | 18PF | 5.00% | 50V |
| | C168 | 1-163-129-00 | CERAMIC CHIP | 330PF | 5% | 50V | C511 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5.00% | 50V |
| | C169 | 1-130-479-00 | MYLAR | 0.0047uF | 5% | 50V | C516 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | 25V | |
| | C170 | 1-130-477-00 | MYLAR | 0.0033uF | 5% | 50V | C562 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | 25V | |
| | C171 | 1-126-964-11 | ELECT | 10uF | 20.00% | 50V | C564 | 1-104-665-11 | ELECT | 100uF | 20.00% | 10V |
| | C172 | 1-163-006-11 | CERAMIC CHIP | 560PF | 10.00% | 50V | C598 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | 25V | |
| | C173 | 1-136-169-00 | MYLAR | 0.22uF | 5.00% | 50V | C599 | 1-104-665-11 | ELECT | 100uF | 20.00% | 10V |
| | C174 | 1-136-169-00 | MYLAR | 0.22uF | 5.00% | 50V | C601 | 1-163-003-11 | CERAMIC CHIP | 330PF | 10% | 50V |
| | C175 | 1-126-964-11 | ELECT | 10uF | 20.00% | 50V | C602 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5.00% | 50V |
| | C176 | 1-130-493-00 | MYLAR | 0.068uF | 5% | 50V | C603 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5.00% | 50V |
| | C177 | 1-130-483-00 | MYLAR | 0.01uF | 5% | 50V | C604 | 1-126-961-11 | ELECT | 2.2uF | 20.00% | 50V |
| | | | | | | | | | | | (LX8) | |
| | C181 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V | C605 | 1-130-479-00 | MYLAR | 0.0047uF | 5% | 50V |
| | C182 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V | C606 | 1-130-473-00 | MYLAR | 0.0015uF | 5% | 50V |
| | C183 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V | C607 | 1-136-159-00 | MYLAR | 0.033uF | 5.00% | 50V |
| | C191 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V | | | | | (LX8) | |
| | C192 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V | C607 | 1-136-165-00 | MYLAR | 0.1uF | 5.00% | 50V |
| | | | | | | | | | | | (LX7) | |
| | C193 | 1-126-964-11 | ELECT | 10uF | 20.00% | 50V | | | | | | (LX7) |

MAIN

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|----------|--------------|--------------|----------|---------------------|----------|--------------|---|
| C608 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | 50V | | | < CONNECTOR > |
| C609 | 1-126-933-11 | ELECT | 100uF | 20.00% 16V | CN303 | 1-784-776-11 | CONNECTOR, FFC 15P |
| C651 | 1-163-003-11 | CERAMIC CHIP | 330PF | 10% 50V | CN304 | 1-784-778-11 | CONNECTOR, FFC 17P |
| C652 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5.00% 50V | CN411 | 1-784-780-11 | CONNECTOR, FFC 19P |
| C653 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5.00% 50V | CN412 | 1-785-321-11 | PIN, CONNECTOR (STRAIGHT) 9P |
| C654 | 1-126-961-11 | ELECT | 2.2uF | 20.00% 50V (LX8) | CN431 | 1-784-774-11 | CONNECTOR, FFC 13P |
| C654 | 1-126-963-11 | ELECT | 4.7uF | 20.00% 50V (LX7) | CN431 | 1-784-776-11 | CONNECTOR, FFC 15P |
| C655 | 1-130-479-00 | MYLAR | 0.0047uF | 5% 50V | CN441 | 1-750-745-11 | CONNECTOR, FFC/FPC 13P (LX8) |
| C656 | 1-130-473-00 | MYLAR | 0.0015uF | 5% 50V | CN441 | 1-750-747-11 | CONNECTOR, FFC/FPC 15P (LX7) |
| C657 | 1-136-159-00 | MYLAR | 0.033uF | 5.00% 50V (LX8) | CN452 | 1-785-316-11 | PIN, CONNECTOR (STRAIGHT) 4P |
| C657 | 1-136-165-00 | MYLAR | 0.1uF | 5.00% 50V (LX7) | CN702 | 1-691-767-11 | PLUG (MICRO CONNECTOR) 5P |
| C658 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | 50V | CN901 | 1-778-982-21 | CONNECTOR, BOARD TO BOARD 13P |
| C659 | 1-126-933-11 | ELECT | 100uF | 20.00% 16V | * CN902 | 1-770-729-11 | CONNECTOR, BOARD TO BOARD 10P (LX8:EA,SP,MY,AUS) |
| C701 | 1-163-001-11 | CERAMIC CHIP | 220PF | 10% 50V | CN902 | 1-778-982-21 | CONNECTOR, BOARD TO BOARD 13P (LX7/LX8:EA,AR,MX) |
| C702 | 1-163-001-11 | CERAMIC CHIP | 220PF | 10% 50V | * CN903 | 1-564-506-11 | PLUG, CONNECTOR 3P |
| | | | | | | | < DIODE > |
| C703 | 1-163-001-11 | CERAMIC CHIP | 220PF | 10% 50V | D191 | 8-719-988-61 | DIODE 1SS355TE-17 |
| C706 | 1-163-001-11 | CERAMIC CHIP | 220PF | 10% 50V | D192 | 8-719-988-61 | DIODE 1SS355TE-17 |
| C707 | 1-163-001-11 | CERAMIC CHIP | 220PF | 10% 50V | D193 | 8-719-988-61 | DIODE 1SS355TE-17 |
| C721 | 1-126-960-11 | ELECT | 1uF | 20.00% 50V | D194 | 8-719-988-61 | DIODE 1SS355TE-17 |
| C722 | 1-126-926-11 | ELECT | 1000uF | 20.00% 10V | D333 | 8-719-988-61 | DIODE 1SS355TE-17 (LX8:EA,SP,MY) |
| C724 | 1-163-005-11 | CERAMIC CHIP | 470PF | 10% 50V | D334 | 8-719-988-61 | DIODE 1SS355TE-17 (LX8:EA,SP,MY) |
| C751 | 1-163-001-11 | CERAMIC CHIP | 220PF | 10% 50V | D334 | 1-216-295-91 | SHORT 0 (LX7/LX8:AR,MX,AUS,E) |
| C752 | 1-163-001-11 | CERAMIC CHIP | 220PF | 10% 50V | D335 | 8-719-988-61 | DIODE 1SS355TE-17 (LX8:EA,SP,MY) |
| C753 | 1-163-001-11 | CERAMIC CHIP | 220PF | 10% 50V | D336 | 8-719-988-61 | DIODE 1SS355TE-17 (LX8:EA,SP,MY) |
| C772 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | 25V | D501 | 8-719-988-61 | DIODE 1SS355TE-17 |
| C774 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | 25V | D534 | 8-719-988-61 | DIODE 1SS355TE-17 |
| C777 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | 25V | D801 | 8-719-988-61 | DIODE 1SS355TE-17 |
| C782 | 1-104-665-11 | ELECT | 100uF | 20.00% 10V | D802 | 8-719-988-61 | DIODE 1SS355TE-17 |
| C803 | 1-126-964-11 | ELECT | 10uF | 20.00% 50V | D803 | 8-719-988-61 | DIODE 1SS355TE-17 |
| C804 | 1-136-165-00 | MYLAR | 0.1uF | 5.00% 50V | D804 | 8-719-988-61 | DIODE 1SS355TE-17 |
| C805 | 1-136-165-00 | MYLAR | 0.1uF | 5.00% 50V | D805 | 8-719-988-61 | DIODE 1SS355TE-17 |
| C806 | 1-126-916-11 | ELECT | 1000uF | 20.00% 6.3V | D806 | 8-719-988-61 | DIODE 1SS355TE-17 |
| C808 | 1-109-953-11 | ELECT | 2.2uF | 20.00% 50V | D807 | 8-719-988-61 | DIODE 1SS355TE-17 |
| C902 | 1-126-937-11 | ELECT | 4700uF | 20.00% 16V | D808 | 8-719-210-33 | DIODE EC10DS2-TE12L5 |
| C903 | 1-126-964-11 | ELECT | 10uF | 20.00% 50V | D911 | 8-719-988-61 | DIODE 1SS355TE-17 |
| C904 | 1-126-964-11 | ELECT | 10uF | 20.00% 50V | D912 | 8-719-210-33 | DIODE EC10DS2-TE12L5 |
| C905 | 1-126-924-11 | ELECT | 330uF | 20.00% 10V | D913 | 8-719-210-33 | DIODE EC10DS2-TE12L5 |
| C911 | 1-126-964-11 | ELECT | 10uF | 20.00% 50V | D931 | 8-719-210-33 | DIODE EC10DS2-TE12L5 |
| C912 | 1-126-916-11 | ELECT | 1000uF | 20.00% 6.3V | D951 | 8-719-988-61 | DIODE 1SS355TE-17 |
| C913 | 1-104-665-11 | ELECT | 100uF | 20.00% 10V | | | < FERRITE BEAD > |
| C914 | 1-126-916-11 | ELECT | 1000uF | 20.00% 6.3V | FB412 | 1-414-772-11 | FERRITE 0UH |
| C932 | 1-126-964-11 | ELECT | 10uF | 20.00% 50V | FB413 | 1-414-551-11 | FERRITE 0UH |
| C933 | 1-126-933-11 | ELECT | 100uF | 20.00% 16V | FB415 | 1-414-772-11 | FERRITE 0UH |
| C934 | 1-126-964-11 | ELECT | 10uF | 20.00% 50V | | | < FILTER > |
| C935 | 1-126-767-11 | ELECT | 1000uF | 20.00% 16V | FL501 | 1-233-289-21 | FILTER, EMI (SMD) |
| C936 | 1-126-964-11 | ELECT | 10uF | 20.00% 50V | FL502 | 1-233-289-21 | FILTER, EMI (SMD) |
| C937 | 1-104-665-11 | ELECT | 100uF | 20.00% 10V | FL503 | 1-233-289-21 | FILTER, EMI (SMD) |
| C938 | 1-126-933-11 | ELECT | 100uF | 20.00% 16V | | | < IC > |
| C952 | 1-126-943-11 | ELECT | 2200uF | 20.00% 25V | IC101 | 8-759-571-54 | IC M62493FP |
| C953 | 1-126-964-11 | ELECT | 10uF | 20.00% 50V | IC181 | 8-759-009-06 | IC MC14052BFEL |
| C954 | 1-126-964-11 | ELECT | 10uF | 20.00% 50V | | | |
| C955 | 1-126-924-11 | ELECT | 330uF | 20.00% 10V | | | |
| C961 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | 25V | | | |

| Ref. No. | Part No. | Description | | Remark | Ref. No. | Part No. | Description | | Remark |
|---------------------|--------------|---|---------------------------|-----------------------|----------|--------------|-------------|-----------------------------|----------|
| IC191 | 8-759-571-53 | IC | BA7615N | | Q333 | 8-729-140-04 | TRANSISTOR | 2SB1116-TP-LK | |
| IC301 | 8-759-495-26 | IC | HA12215F | | Q334 | 8-729-029-66 | TRANSISTOR | DTC114ESA-TP | |
| IC501 | 8-759-653-44 | IC | M30622MA-A26FP | | Q335 | 8-729-029-66 | TRANSISTOR | DTC114ESA-TP | |
| IC601 | 8-759-636-55 | IC | M5218AFP-T1 | | Q336 | 8-729-116-59 | TRANSISTOR | 2SB1068TP | |
| IC781 | 8-749-923-04 | IC | TOTX178A (CD DIGITAL OUT) | | Q337 | 8-729-045-21 | TRANSISTOR | 2SD1513TP-LK (LX8:EA,SP,MY) | |
| IC801 | 8-759-635-63 | IC | M51943BSL-TP | | Q338 | 8-729-029-21 | TRANSISTOR | DTA114ESA-TP (LX8:EA,SP,MY) | |
| IC901 | 8-759-604-86 | IC | M5F7807L | | Q339 | 8-729-029-66 | TRANSISTOR | DTC114ESA-TP | |
| IC911 | 8-759-231-53 | IC | M5F7805L | | Q340 | 8-729-116-59 | TRANSISTOR | 2SB1068TP (LX8:EA,SP,MY) | |
| IC931 | 8-759-604-38 | IC | M5F78M10L | | Q341 | 8-729-045-21 | TRANSISTOR | 2SD1513TP-LK (LX8:EA,SP,MY) | |
| IC932 | 8-759-701-79 | IC | NJM7812FA | | Q342 | 8-729-029-21 | TRANSISTOR | DTA114ESA-TP (LX8:EA,SP,MY) | |
| IC933 | 8-759-604-86 | IC | M5F7807L | | Q343 | 8-729-029-66 | TRANSISTOR | DTC114ESA-TP (LX8:EA,SP,MY) | |
| IC951 | 8-759-604-90 | IC | M5F7907L | | Q801 | 8-729-620-05 | TRANSISTOR | 2SC2603TP-EF | |
| < JACK > | | | | | Q802 | 8-729-029-21 | TRANSISTOR | DTA114ESA-TP | |
| J701 | 1-766-558-41 | JACK, PIN 8P (PHONO,MD,VIDEO 1 (AUDIO)) | | (LX8:EA,SP,MY) | Q803 | 8-729-029-21 | TRANSISTOR | DTA114ESA-TP | |
| J701 | 1-794-148-21 | JACK, PIN 8P (PHONO,MD,VIDEO 1 (AUDIO)) | | (LX7/LX8:E,AR,MX,AUS) | Q804 | 8-729-029-40 | TRANSISTOR | DTA124ESA-TP | |
| J702 | 1-770-336-11 | JACK, PIN 2P (VIDEO 1 (VIDEO)) | | | Q901 | 8-729-040-20 | TRANSISTOR | RT1P137L-TP | |
| J705 | 1-573-028-31 | JACK, PIN 4P (CD) | | (LX7/LX8:MX) | Q902 | 8-729-029-40 | TRANSISTOR | DTA124ESA-TP | |
| < JUMPER RESISTOR > | | | | | Q903 | 8-729-040-19 | TRANSISTOR | RT1N137L-TP | |
| JR1 | 1-216-295-91 | SHORT | 0 | | Q904 | 8-729-029-86 | TRANSISTOR | DTC124ESA-TP | |
| JR2 | 1-216-296-91 | SHORT | 0 | | Q905 | 8-729-119-76 | TRANSISTOR | 2SA1115TP-EF | |
| JR3 | 1-216-296-91 | SHORT | 0 | | Q906 | 8-729-029-68 | TRANSISTOR | DTC114TSA-TP | |
| JR4 | 1-216-295-91 | SHORT | 0 | | Q911 | 8-729-040-20 | TRANSISTOR | RT1P137L-TP | |
| JR5 | 1-216-295-91 | SHORT | 0 | | Q912 | 8-729-029-86 | TRANSISTOR | DTC124ESA-TP | |
| JR6 | 1-216-296-91 | SHORT | 0 | | Q913 | 8-729-040-20 | TRANSISTOR | RT1P137L-TP | |
| JR7 | 1-216-296-91 | SHORT | 0 | | Q914 | 8-729-029-86 | TRANSISTOR | DTC124ESA-TP | |
| JR8 | 1-216-296-91 | SHORT | 0 | | Q931 | 8-729-040-20 | TRANSISTOR | RT1P137L-TP | |
| JR9 | 1-216-295-91 | SHORT | 0 | | Q932 | 8-729-029-86 | TRANSISTOR | DTC124ESA-TP | |
| JR10 | 1-216-296-91 | SHORT | 0 | | Q961 | 8-729-620-05 | TRANSISTOR | 2SC2603TP-EF | |
| JR11 | 1-216-296-91 | SHORT | 0 | | Q962 | 8-729-140-04 | TRANSISTOR | 2SB1116-TP-LK | |
| < RESISTOR > | | | | | | | | | |
| JR181 | 1-216-295-91 | SHORT | 0 | | R111 | 1-216-073-00 | METAL CHIP | 10K | 5% 1/10W |
| JR182 | 1-216-295-91 | SHORT | 0 | | R112 | 1-216-121-91 | RES-CHIP | 1M | 5% 1/10W |
| JR191 | 1-216-295-91 | SHORT | 0 | | R113 | 1-216-103-00 | METAL CHIP | 180K | 5% 1/10W |
| JR192 | 1-216-295-91 | SHORT | 0 | | R114 | 1-216-043-91 | RES-CHIP | 560 | 5% 1/10W |
| JR594 | 1-216-295-91 | SHORT | 0 | | R115 | 1-216-073-00 | METAL CHIP | 10K | 5% 1/10W |
| JR703 | 1-216-295-91 | SHORT | 0 | | R116 | 1-216-091-00 | METAL CHIP | 56K | 5% 1/10W |
| JR901 | 1-216-295-91 | SHORT | 0 | | R117 | 1-216-073-00 | METAL CHIP | 10K | 5% 1/10W |
| JR907 | 1-216-295-91 | SHORT | 0 (LX8) | | R118 | 1-216-089-91 | RES-CHIP | 47K | 5% 1/10W |
| JR910 | 1-216-296-91 | SHORT | 0 (LX7) | | R119 | 1-216-057-00 | METAL CHIP | 2.2K | 5% 1/10W |
| < COIL > | | | | | R120 | 1-216-097-91 | RES-CHIP | 100K | 5% 1/10W |
| L781 | 1-412-032-11 | INDUCTOR CHIP | 100uH | | R121 | 1-216-073-00 | METAL CHIP | 10K | 5% 1/10W |
| < TRANSISTOR > | | | | | R122 | 1-216-295-91 | SHORT | 0 | |
| Q111 | 8-729-620-05 | TRANSISTOR | 2SC2603TP-EF | | R123 | 1-216-107-00 | METAL CHIP | 270K | 5% 1/10W |
| Q112 | 8-729-620-05 | TRANSISTOR | 2SC2603TP-EF | | R124 | 1-216-057-00 | METAL CHIP | 2.2K | 5% 1/10W |
| Q113 | 8-729-141-30 | TRANSISTOR | 2SC3623ATP-LK | | R125 | 1-216-061-00 | METAL CHIP | 3.3K | 5% 1/10W |
| Q115 | 8-729-029-86 | TRANSISTOR | DTC124ESA-TP | | R126 | 1-216-057-00 | METAL CHIP | 2.2K | 5% 1/10W |
| Q161 | 8-729-620-05 | TRANSISTOR | 2SC2603TP-EF | | R127 | 1-216-111-00 | METAL CHIP | 390K | 5% 1/10W |
| Q162 | 8-729-620-05 | TRANSISTOR | 2SC2603TP-EF | | R129 | 1-216-121-91 | RES-CHIP | 1M | 5% 1/10W |
| Q163 | 8-729-141-30 | TRANSISTOR | 2SC3623ATP-LK | | R131 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W |
| Q165 | 8-729-029-86 | TRANSISTOR | DTC124ESA-TP | | R132 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W |
| Q331 | 8-729-140-04 | TRANSISTOR | 2SB1116-TP-LK | | R133 | 1-216-025-91 | RES-CHIP | 100 | 5% 1/10W |
| Q332 | 8-729-029-66 | TRANSISTOR | DTC114ESA-TP | | R161 | 1-216-073-00 | METAL CHIP | 10K | 5% 1/10W |
| | | | | | R162 | 1-216-121-91 | RES-CHIP | 1M | 5% 1/10W |
| | | | | | R163 | 1-216-103-00 | METAL CHIP | 180K | 5% 1/10W |
| | | | | | R164 | 1-216-043-91 | RES-CHIP | 560 | 5% 1/10W |
| | | | | | R165 | 1-216-089-91 | RES-CHIP | 47K | 5% 1/10W |

MAIN

| Ref. No. | Part No. | Description | | | Remark | Ref. No. | Part No. | Description | | | Remark |
|----------|--------------|-------------|----------------|----|--------|----------|--------------|-------------|------|----|--------|
| R166 | 1-216-091-00 | METAL CHIP | 56K | 5% | 1/10W | R351 | 1-216-085-00 | METAL CHIP | 33K | 5% | 1/10W |
| R167 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W | R352 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W |
| R168 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W | R353 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R169 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W | R354 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R170 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W | R355 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W |
| R171 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W | R356 | 1-216-071-00 | METAL CHIP | 8.2K | 5% | 1/10W |
| R172 | 1-216-295-91 | SHORT | 0 | | | R357 | 1-216-071-00 | METAL CHIP | 8.2K | 5% | 1/10W |
| R173 | 1-216-107-00 | METAL CHIP | 270K | 5% | 1/10W | R358 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W |
| R174 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W | R359 | 1-216-085-00 | METAL CHIP | 33K | 5% | 1/10W |
| R175 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W | R371 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W |
| R177 | 1-216-111-00 | METAL CHIP | 390K | 5% | 1/10W | R372 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W |
| R178 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W | R373 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R179 | 1-216-121-91 | RES-CHIP | 1M | 5% | 1/10W | R374 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W |
| R301 | 1-216-085-00 | METAL CHIP | 33K | 5% | 1/10W | R375 | 1-216-094-00 | RES-CHIP | 75K | 5% | 1/10W |
| R302 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W | R376 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W |
| R303 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R377 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W |
| R304 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R378 | 1-216-094-00 | RES-CHIP | 75K | 5% | 1/10W |
| R305 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W | R401 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R306 | 1-216-071-00 | METAL CHIP | 8.2K | 5% | 1/10W | R402 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R307 | 1-216-071-00 | METAL CHIP | 8.2K | 5% | 1/10W | R413 | 1-216-295-91 | SHORT | 0 | | |
| R308 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W | R414 | 1-216-295-91 | SHORT | 0 | | |
| R309 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W | R451 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R311 | 1-216-121-91 | RES-CHIP | 1M | 5% | 1/10W | R452 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R312 | 1-216-102-00 | RES-CHIP | 160K | 5% | 1/10W | R501 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R313 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W | R503 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R315 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W | R505 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R316 | 1-216-079-00 | METAL CHIP | 18K | 5% | 1/10W | R511 | 1-216-109-00 | METAL CHIP | 330K | 5% | 1/10W |
| R317 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W | R513 | 1-216-295-91 | SHORT | 0 | | |
| R318 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W | R517 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R319 | 1-216-111-00 | METAL CHIP | 390K | 5% | 1/10W | R518 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R321 | 1-216-059-00 | METAL CHIP | 2.7K | 5% | 1/10W | R519 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R322 | 1-216-071-00 | METAL CHIP | 8.2K | 5% | 1/10W | R520 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R332 | 1-216-045-00 | METAL CHIP | 680 | 5% | 1/10W | | | | | | (LX7) |
| R333 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W | R521 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R334 | 1-216-045-00 | METAL CHIP | 680 | 5% | 1/10W | R522 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W |
| R335 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W | R526 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W |
| R336 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W | | | | | | (LX7) |
| | | | (LX8:EA,SP,MY) | | | R527 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R337 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W | R528 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| | | | (LX8:EA,SP,MY) | | | R529 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R338 | 1-216-045-00 | METAL CHIP | 680 | 5% | 1/10W | R530 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| | | | (LX8:EA,SP,MY) | | | R532 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R339 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W | | | | | | (LX7) |
| | | | (LX8:EA,SP,MY) | | | R533 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R340 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W | R535 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R341 | 1-216-045-00 | METAL CHIP | 680 | 5% | 1/10W | R536 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| | | | (LX8:EA,SP,MY) | | | R537 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R342 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W | R538 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| | | | (LX8:EA,SP,MY) | | | R540 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R343 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W | R541 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| | | | (LX8:EA,SP,MY) | | | R542 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R344 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W | R543 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R345 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W | R545 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R346 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W | | | | | | (LX7) |
| | | | (LX8:EA,SP,MY) | | | R546 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R347 | 1-216-045-00 | METAL CHIP | 680 | 5% | 1/10W | R547 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| | | | (LX8:EA,SP,MY) | | | R548 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R348 | 1-216-045-00 | METAL CHIP | 680 | 5% | 1/10W | R549 | 1-216-041-00 | METAL CHIP | 470 | 5% | 1/10W |
| | | | (LX8:EA,SP,MY) | | | R550 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |

| Ref. No. | Part No. | Description | | | Remark | Ref. No. | Part No. | Description | | | Remark |
|----------|--------------|-------------|------|----|-----------------------------|--------------|--------------|-------------|------|----|--------|
| R551 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R607 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R552 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R608 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W |
| R553 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R609 | 1-216-033-00 | METAL CHIP | 220 | 5% | 1/10W |
| R554 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R651 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R555 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R652 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R556 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R653 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W |
| R557 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R654 | 1-216-047-91 | RES-CHIP | 820 | 5% | 1/10W |
| R558 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | (LX7) | | | | | |
| R559 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R654 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R561 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | (LX8) | | | | | |
| R563 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R655 | 1-216-115-00 | METAL CHIP | 560K | 5% | 1/10W |
| R565 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R656 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W |
| R567 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W | R657 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R568 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R658 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W |
| R569 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R659 | 1-216-033-00 | METAL CHIP | 220 | 5% | 1/10W |
| R570 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W | R701 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R572 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R702 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W |
| R573 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R703 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R574 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R704 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W |
| R575 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R705 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R576 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R706 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W |
| R577 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R707 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R578 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | (LX7/LX8:MX) | | | | | |
| R579 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R708 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R580 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | (LX7/LX8:MX) | | | | | |
| R581 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R709 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R582 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R710 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R583 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | (LX7/LX8:MX) | | | | | |
| R584 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R719 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W |
| R585 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | (LX7/LX8:MX) | | | | | |
| R586 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R720 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W |
| R587 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | (LX7/LX8:MX) | | | | | |
| R588 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R721 | 1-216-022-00 | METAL CHIP | 75 | 5% | 1/10W |
| R589 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R722 | 1-216-015-00 | METAL CHIP | 39 | 5% | 1/10W |
| R590 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R724 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R591 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R751 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R593 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R752 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W |
| R594 | 1-216-069-00 | METAL CHIP | 6.8K | 5% | 1/10W | R753 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R595 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W | R754 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W |
| R596 | 1-216-069-00 | METAL CHIP | 6.8K | 5% | 1/10W | R755 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| | | | | | (LX7) | R756 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W |
| R596 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W (LX8:E,AR,MX) | R801 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R596 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W (LX8:EA,SP,MY,AUS) | R802 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W |
| R597 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W (LX8:EA,SP,MY,AUS) | R803 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R597 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W (LX7/LX8:E,AR,MX) | R804 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W |
| R600 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R805 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W |
| R601 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R806 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R602 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R807 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R603 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W | R808 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R604 | 1-216-047-91 | RES-CHIP | 820 | 5% | 1/10W (LX7) | R809 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W |
| R604 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W (LX8) | R810 | 1-216-033-00 | METAL CHIP | 220 | 5% | 1/10W |
| R605 | 1-216-115-00 | METAL CHIP | 560K | 5% | 1/10W | R811 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W |
| R606 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W | R901 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W |
| | | | | | | R902 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W |
| | | | | | | R903 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| | | | | | | R961 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W |
| | | | | | | R962 | 1-216-079-00 | METAL CHIP | 18K | 5% | 1/10W |
| | | | | | | R963 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W |

| Ref. No. | Part No. | Description | | | Remark | Ref. No. | Part No. | Description | | | Remark | | | | | | | | | | | | | |
|----------------------------------|--------------|-----------------------------|-----------|--------|--------|--|--------------|-------------|---------|--------|--------|-------|--|--|--|--|--|--|--|--|--|--|--|--|
| < VARIABLE RESISTOR > | | | | | | | | | | | | | | | | | | | | | | | | |
| RV301 | 1-238-600-11 | RES, ADJ, CARBON | 10K | | | R853 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F | | | | | | | | | | | | | |
| RV351 | 1-238-600-11 | RES, ADJ, CARBON | 10K | | | R854 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | | | | | | | | | | | | | |
| | | < VIBRATOR > | | | | R855 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | | | | | | | | | | | | | |
| X501 | 1-567-098-41 | VIBRATOR, CRYSTAL | 32.768MHz | | | R856 | 1-247-891-00 | CARBON | 330K | 5% | 1/4W | | | | | | | | | | | | | |
| X502 | 1-781-107-21 | VIBRATOR, SERAMIC | 16MHz | | | R857 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F | | | | | | | | | | | | | |
| ***** | | | | | | | | | | | | | | | | | | | | | | | | |
| A-4428-180-A MIC BOARD, COMPLETE | | | | | | | | | | | | | | | | | | | | | | | | |
| ***** | | | | | | | | | | | | | | | | | | | | | | | | |
| < CAPACITOR > | | | | | | | | | | | | | | | | | | | | | | | | |
| C801 | 1-162-306-11 | CERAMIC | 0.01uF | 30.00% | 16V | A-4428-225-A PA BOARD, COMPLETE (LX7) | | | | | | | | | | | | | | | | | | |
| C802 | 1-162-215-31 | CERAMIC | 47PF | 5% | 50V | ***** | | | | | | | | | | | | | | | | | | |
| C803 | 1-126-960-11 | ELECT | 1uF | 20.00% | 50V | A-4428-230-A PA BOARD, COMPLETE (LX8:EA,AR,MX) | | | | | | | | | | | | | | | | | | |
| C804 | 1-126-959-11 | ELECT | 0.47uF | 20.00% | 50V | ***** | | | | | | | | | | | | | | | | | | |
| C805 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V | A-4428-748-A PA BOARD, COMPLETE (LX8:EA,SP,MY,AUS) | | | | | | | | | | | | | | | | | | |
| C806 | 1-162-215-31 | CERAMIC | 47PF | 5% | 50V | ***** | | | | | | | | | | | | | | | | | | |
| C810 | 1-162-286-21 | CERAMIC | 220PF | 10.00% | 50V | < CAPACITOR > | | | | | | | | | | | | | | | | | | |
| C813 | 1-137-370-11 | MYLAR | 0.01uF | 5.00% | 50V | C401 | 1-126-963-11 | ELECT | 4.7uF | 20.00% | 50V | (LX7) | | | | | | | | | | | | |
| C814 | 1-162-215-31 | CERAMIC | 47PF | 5% | 50V | C402 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V | (LX7) | | | | | | | | | | | | |
| C815 | 1-162-215-31 | CERAMIC | 47PF | 5% | 50V | C403 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V | (LX7) | | | | | | | | | | | | |
| C816 | 1-126-961-11 | ELECT | 2.2uF | 20.00% | 50V | C404 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V | (LX7) | | | | | | | | | | | | |
| C817 | 1-126-961-11 | ELECT | 2.2uF | 20.00% | 50V | C405 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V | (LX7) | | | | | | | | | | | | |
| C818 | 1-162-215-31 | CERAMIC | 47PF | 5% | 50V | C412 | 1-161-494-00 | CERAMIC | 0.022uF | | 25V | (LX7) | | | | | | | | | | | | |
| C819 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V | C413 | 1-161-494-00 | CERAMIC | 0.022uF | | 25V | (LX7) | | | | | | | | | | | | |
| C821 | 1-104-664-11 | ELECT | 47uF | 20.00% | 16V | C432 | 1-104-665-11 | ELECT | 100uF | 20.00% | 10V | (LX7) | | | | | | | | | | | | |
| C822 | 1-104-664-11 | ELECT | 47uF | 20.00% | 16V | C433 | 1-126-961-11 | ELECT | 2.2uF | 20.00% | 50V | (LX7) | | | | | | | | | | | | |
| C836 | 1-162-306-11 | CERAMIC | 0.01uF | 30.00% | 16V | C433 | 1-126-962-11 | ELECT | 3.3uF | 20.00% | 50V | (LX8) | | | | | | | | | | | | |
| < CONNECTOR > | | | | | | | | | | | | (LX8) | | | | | | | | | | | | |
| CN813 | 1-785-320-11 | PIN, CONNECTOR (STRAIGHT)8P | | | | C801 | 1-128-582-11 | ELECT | 10uF | 20.00% | 100V | (LX8) | | | | | | | | | | | | |
| < EARTH TERMINAL > | | | | | | | | | | | | (LX8) | | | | | | | | | | | | |
| * EPT802 | 1-537-738-21 | TERMINAL, EARTH | | | | C802 | 1-162-292-31 | CERAMIC | 680PF | 10% | 50V | (LX8) | | | | | | | | | | | | |
| < FILTER > | | | | | | | | | | | | (LX8) | | | | | | | | | | | | |
| FL801 | 1-424-228-11 | FILTER, NOISE | | | | C803 | 1-162-286-21 | CERAMIC | 220PF | 10.00% | 50V | (LX8) | | | | | | | | | | | | |
| < IC > | | | | | | | | | | | | (LX8) | | | | | | | | | | | | |
| IC850 | 8-759-634-50 | IC M5218AL | | | | C804 | 1-126-967-11 | ELECT | 47uF | 20.00% | 50V | (LX8) | | | | | | | | | | | | |
| IC852 | 8-759-634-50 | IC M5218AL | | | | C807 | 1-128-560-11 | ELECT | 22uF | 20.00% | 100V | (LX8) | | | | | | | | | | | | |
| < JACK > | | | | | | | | | | | | (LX8) | | | | | | | | | | | | |
| J801 | 1-770-226-41 | JACK (LARGE TYPE)(MIX MIC) | | | | C808 | 1-130-777-00 | MYLAR | 0.1uF | 10.00% | 100V | (LX8) | | | | | | | | | | | | |
| J802 | 1-770-226-41 | JACK (LARGE TYPE)(GUITAR) | | | | C809 | 1-130-777-00 | MYLAR | 0.1uF | 10.00% | 100V | (LX8) | | | | | | | | | | | | |
| < RESISTOR > | | | | | | | | | | | | (LX8) | | | | | | | | | | | | |
| R806 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W | C810 | 1-128-562-11 | ELECT | 47uF | 20.00% | 100V | (LX8) | | | | | | | | | | | | |
| R807 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | C811 | 1-130-493-00 | MYLAR | 0.068uF | 5% | 50V | (LX8) | | | | | | | | | | | | |
| R809 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F | C812 | 1-130-493-00 | MYLAR | 0.068uF | 5% | 50V | (LX8) | | | | | | | | | | | | |
| R850 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F | C813 | 1-161-494-00 | CERAMIC | 0.022uF | 25V | | (LX8) | | | | | | | | | | | | |
| R852 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W F | C814 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V | (LX8) | | | | | | | | | | | | |
| | | | | | | C815 | 1-126-959-11 | ELECT | 0.47uF | 20.00% | 50V | (LX8) | | | | | | | | | | | | |
| | | | | | | C830 | 1-107-714-11 | ELECT | 10uF | 20.00% | 50V | (LX8) | | | | | | | | | | | | |
| | | | | | | C831 | 1-126-964-11 | ELECT | 10uF | 20.00% | 50V | (LX8) | | | | | | | | | | | | |
| | | | | | | C832 | 1-126-967-11 | ELECT | 47uF | 20.00% | 50V | (LX8) | | | | | | | | | | | | |
| | | | | | | C841 | 1-127-752-11 | ELECT | 3300uF | 20% | 63V | (LX8) | | | | | | | | | | | | |

| Ref. No. | Part No. | Description | Remark | | | Ref. No. | Part No. | Description | Remark | | | | | |
|----------|--------------|-----------------------------------|---------|--------|-------|----------|--------------|-----------------------------------|----------------|-----|------|--------------|-------------------------------|--|
| C842 | 1-127-752-11 | ELECT | 3300uF | 20% | 63V | D842 | 8-719-200-82 | DIODE 11ES2-NTA1B | | | | | | |
| C844 | 1-130-777-00 | MYLAR | 0.1uF | 10.00% | 100V | D843 | 8-719-200-82 | DIODE 11ES2-NTA1B | | | | | | |
| C845 | 1-126-943-11 | ELECT | 2200uF | 20.00% | 25V | D844 | 8-719-200-82 | DIODE 11ES2-NTA1B | | | | | | |
| C847 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V | D851 | 8-719-991-33 | DIODE 1SS133T-77 | | | | | | |
| C848 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V | D852 | 8-719-110-49 | DIODE MTZJ-T-77-18A | | | | | | |
| C849 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V | D853 | 8-719-991-33 | DIODE 1SS133T-77 (LX7) | | | | | | |
| C850 | 1-107-721-11 | ELECT | 4.7uF | 20.00% | 100V | D902 | 8-719-210-21 | DIODE 11EQS04-NTA1B (LX7) | | | | | | |
| C851 | 1-128-582-11 | ELECT | 10uF | 20.00% | 100V | D903 | 8-719-210-21 | DIODE 11EQS04-NTA1B (LX7) | | | | | | |
| C852 | 1-162-292-31 | CERAMIC | 680PF | 10% | 50V | D904 | 8-719-210-21 | DIODE 11EQS04-NTA1B (LX7) | | | | | | |
| C853 | 1-162-286-21 | CERAMIC | 220PF | 10.00% | 50V | D905 | 8-719-210-21 | DIODE 11EQS04-NTA1B (LX7) | | | | | | |
| C854 | 1-126-967-11 | ELECT | 47uF | 20.00% | 50V | D906 | 8-719-991-33 | DIODE 1SS133T-77 (LX7) | | | | | | |
| C857 | 1-128-560-11 | ELECT | 22uF | 20.00% | 100V | D907 | 8-719-200-82 | DIODE 11ES2-NTA1B (LX7) | | | | | | |
| C858 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V | D908 | 8-719-200-82 | DIODE 11ES2-NTA1B (LX7) | | | | | | |
| C859 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V | D909 | 8-719-200-82 | DIODE 11ES2-NTA1B (LX7) | | | | | | |
| C861 | 1-130-493-00 | MYLAR | 0.068uF | 5% | 50V | D910 | 8-719-200-82 | DIODE 11ES2-NTA1B (LX7) | | | | | | |
| C862 | 1-130-493-00 | MYLAR | 0.068uF | 5% | 50V | D911 | 8-719-982-37 | DIODE MTZJ-T-77-39C | | | | | | |
| C863 | 1-126-961-11 | ELECT | 2.2uF | 20.00% | 50V | D912 | 8-719-109-89 | DIODE MTZJ-T-77-5.6 | | | | | | |
| | | | | | (LX7) | D913 | 8-719-991-33 | DIODE 1SS133T-77 (LX7) | | | | | | |
| C891 | 1-127-752-11 | ELECT | 3300uF | 20% | 63V | | | | < IC > | | | | | |
| C892 | 1-127-755-11 | ELECT | 3300uF | 20% | 100V | IC801 | 8-749-017-06 | IC STK412-150 (LX7) | | | | | | |
| C894 | 1-130-777-00 | MYLAR | 0.1uF | 10.00% | 100V | IC801 | 8-749-017-07 | IC STK412-170 (LX8) | | | | | | |
| C895 | 1-107-721-11 | ELECT | 4.7uF | 20.00% | 100V | IC901 | 8-759-450-47 | IC BA05T (LX7) | | | | | | |
| C902 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V | | | | < COIL > | | | | | |
| | | | | | (LX7) | L401 | 1-420-872-00 | COIL, AIR-CORE (LX7) | | | | | | |
| C903 | 1-126-933-11 | ELECT | 100uF | 20.00% | 16V | L402 | 1-420-872-00 | COIL, AIR-CORE (LX7) | | | | | | |
| C904 | 1-126-964-11 | ELECT | 10uF | 20.00% | 50V | | | | < TRANSISTOR > | | | | | |
| C905 | 1-126-968-11 | ELECT | 100uF | 20.00% | 50V | C909 | 1-164-159-21 | CERAMIC | 0.1uF | 50V | Q401 | 8-729-029-21 | TRANSISTOR DTA114ESA-TP (LX7) | |
| C906 | 1-126-943-11 | ELECT | 2200uF | 20.00% | 25V | Q401 | 8-729-140-82 | TRANSISTOR 2SA988TP-PAFAEA (LX8) | | | | | | |
| | | | | | (LX7) | Q402 | 8-729-140-84 | TRANSISTOR 2SC1841TP-PAFAEA | | | | | | |
| C909 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V | Q431 | 8-729-140-84 | TRANSISTOR 2SC1841TP-PAFAEA | | | | | | |
| C910 | 1-104-665-11 | ELECT | 100uF | 20.00% | 10V | Q432 | 8-729-119-76 | TRANSISTOR 2SA1115TP-EF | | | | | | |
| C962 | 1-128-563-11 | ELECT | 100uF | 20.00% | 100V | | | | | | | | | |
| | | | | | (LX7) | Q433 | 8-729-620-05 | TRANSISTOR 2SC2603TP-EF | | | | | | |
| | | | | | | Q434 | 8-729-620-05 | TRANSISTOR 2SC2603TP-EF | | | | | | |
| | | | | | | Q437 | 8-729-620-05 | TRANSISTOR 2SC2603TP-EF | | | | | | |
| CN803 | 1-778-981-21 | CONNECTOR, BOARD TO BOARD 13P | | | | Q439 | 8-729-620-05 | TRANSISTOR 2SC2603TP-EF | | | | | | |
| CN804 | 1-778-981-21 | CONNECTOR, BOARD TO BOARD 13P | | | | Q801 | 8-729-140-84 | TRANSISTOR 2SC1841TP-PAFAEA | | | | | | |
| CN904 | 1-785-320-11 | PIN, CONNECTOR (STRAIGHT)8P (LX7) | | | | | | | | | | | | |
| | | | | | | Q803 | 8-729-140-82 | TRANSISTOR 2SA988TP-PAFAEA | | | | | | |
| | | | | | | Q804 | 8-729-140-84 | TRANSISTOR 2SC1841TP-PAFAEA | | | | | | |
| | | | | | | Q805 | 8-729-231-55 | TRANSISTOR 2SC2878AB-TPE2 | | | | | | |
| | | | | | | Q831 | 8-729-029-86 | TRANSISTOR DTC124ESA-TP | | | | | | |
| | | | | | | Q832 | 8-729-620-05 | TRANSISTOR 2SC2603TP-EF | | | | | | |
| | | | | | | | | | | | | | | |
| D401 | 8-719-991-33 | DIODE 1SS133T-77 | | | | Q833 | 8-729-029-40 | TRANSISTOR DTA124ESA-TP | | | | | | |
| D402 | 8-719-991-33 | DIODE 1SS133T-77 | | | | Q834 | 8-729-140-84 | TRANSISTOR 2SC1841TP-PAFAEA | | | | | | |
| D405 | 8-719-991-33 | DIODE 1SS133T-77 | | | | Q851 | 8-729-140-84 | TRANSISTOR 2SC1841TP-PAFAEA | | | | | | |
| D406 | 8-719-991-33 | DIODE 1SS133T-77 | | | | Q855 | 8-729-231-55 | TRANSISTOR 2SC2878AB-TPE2 | | | | | | |
| D801 | 8-719-991-33 | DIODE 1SS133T-77 | | | | Q901 | 8-729-620-05 | TRANSISTOR 2SC2603TP-EF (LX7) | | | | | | |
| D802 | 8-719-110-49 | DIODE MTZJ-T-77-18A | | | | | | | | | | | | |
| D803 | 8-719-991-33 | DIODE 1SS133T-77 | | | | Q902 | 8-729-140-84 | TRANSISTOR 2SC1841TP-PAFAEA (LX7) | | | | | | |
| D804 | 8-719-991-33 | DIODE 1SS133T-77 | | | | Q903 | 8-729-118-01 | TRANSISTOR 2SB1014TP-34 (LX7) | | | | | | |
| D805 | 8-719-991-33 | DIODE 1SS133T-77 | | | | Q903 | 8-729-141-83 | TRANSISTOR 2SB1375 (LX8) | | | | | | |
| D831 | 8-719-060-53 | DIODE RBV-2506 | | | | Q904 | 8-729-048-13 | TRANSISTOR 2SC3616-KLM-T1 (LX7) | | | | | | |
| D833 | 8-719-200-82 | DIODE 11ES2-NTA1B | | | | Q905 | 8-729-048-13 | TRANSISTOR 2SC3616-KLM-T1 (LX7) | | | | | | |
| D834 | 8-719-200-82 | DIODE 11ES2-NTA1B | | | | | | | | | | | | |
| D835 | 8-719-200-82 | DIODE 11ES2-NTA1B | | | | Q906 | 8-729-029-21 | TRANSISTOR DTA114ESA-TP (LX7) | | | | | | |
| D836 | 8-719-200-82 | DIODE 11ES2-NTA1B | | | | Q907 | 8-729-029-21 | TRANSISTOR DTA114ESA-TP (LX7) | | | | | | |
| D841 | 8-719-200-82 | DIODE 11ES2-NTA1B | | | | Q908 | 8-729-119-76 | TRANSISTOR 2SA1115TP-EF (LX8) | | | | | | |

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark |
|---|--------------|-------------|----------------------|----------|--------------|-------------|----------------------|
| < RESISTOR > | | | | | | | |
| △R401 | 1-215-867-00 | METAL OXIDE | 470 5% 1W (LX8) | R823 | 1-247-863-91 | CARBON | 22K 5% 1/4W |
| △R401 | 1-215-868-00 | METAL OXIDE | 680 5% 1W (LX7) | △R824 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W F |
| R406 | 1-249-437-11 | CARBON | 47K 5% 1/4W | R825 | 1-215-891-11 | METAL OXIDE | 680 5% 2W |
| R407 | 1-249-437-11 | CARBON | 47K 5% 1/4W | R827 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R410 | 1-249-389-11 | CARBON | 4.7 5% 1/4W F (LX7) | R828 | 1-247-903-00 | CARBON | 1M 5% 1/4W |
| R411 | 1-249-389-11 | CARBON | 4.7 5% 1/4W F (LX7) | R831 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R412 | 1-249-389-11 | CARBON | 4.7 5% 1/4W F (LX7) | R832 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R413 | 1-249-389-11 | CARBON | 4.7 5% 1/4W F (LX7) | R833 | 1-247-856-00 | CARBON | 11K 5% 1/4W (LX8) |
| R414 | 1-260-076-11 | CARBON | 10 5% 1/2W (LX7) | R833 | 1-247-858-11 | CARBON | 13K 5% 1/4W (LX7) |
| R415 | 1-260-076-11 | CARBON | 10 5% 1/2W (LX7) | R834 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R429 | 1-249-437-11 | CARBON | 47K 5% 1/4W | R835 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R431 | 1-249-438-11 | CARBON | 56K 5% 1/4W | R836 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R432 | 1-249-437-11 | CARBON | 47K 5% 1/4W | R837 | 1-249-435-11 | CARBON | 33K 5% 1/4W |
| R434 | 1-247-863-91 | CARBON | 22K 5% 1/4W | R838 | 1-249-435-11 | CARBON | 33K 5% 1/4W |
| R435 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F (LX8) | R839 | 1-215-877-11 | METAL OXIDE | 22K 5% 1W |
| R437 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R840 | 1-249-402-11 | CARBON | 56 5% 1/4W F |
| R439 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F | R851 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R440 | 1-249-437-11 | CARBON | 47K 5% 1/4W (LX7) | R852 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R440 | 1-247-863-91 | CARBON | 22K 5% 1/4W (LX8) | R853 | 1-249-412-11 | CARBON | 390 5% 1/4W F |
| R441 | 1-249-435-11 | CARBON | 33K 5% 1/4W | △R855 | 1-215-891-11 | METAL OXIDE | 680 5% 2W |
| R446 | 1-249-429-11 | CARBON | 10K 5% 1/4W | △R857 | 1-212-881-11 | FUSIBLE | 100 5% 1/4W |
| R447 | 1-249-437-11 | CARBON | 47K 5% 1/4W | R858 | 1-214-789-00 | METAL | 0.1 10% 5W |
| R460 | 1-249-429-11 | CARBON | 10K 5% 1/4W (LX8) | R859 | 1-260-076-11 | CARBON | 10 5% 1/2W |
| R801 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | R860 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R802 | 1-249-437-11 | CARBON | 47K 5% 1/4W | R861 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R803 | 1-249-412-11 | CARBON | 390 5% 1/4W F | R862 | 1-249-431-11 | CARBON | 15K 5% 1/4W (LX7) |
| R804 | 1-249-435-11 | CARBON | 33K 5% 1/4W | R863 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R805 | 1-216-436-00 | METAL OXIDE | 3.9K 5% 1W | R864 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W F (LX7) |
| R806 | 1-216-436-00 | METAL OXIDE | 3.9K 5% 1W | R865 | 1-247-863-91 | CARBON | 22K 5% 1/4W |
| △R807 | 1-212-881-11 | FUSIBLE | 100 5% 1/4W | R866 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R808 | 1-214-789-00 | METAL | 0.1 10% 5W | R880 | 1-249-402-11 | CARBON | 56 5% 1/4W F |
| R809 | 1-260-076-11 | CARBON | 10 5% 1/2W | R888 | 1-214-789-00 | METAL | 0.1 10% 5W |
| R810 | 1-249-437-11 | CARBON | 47K 5% 1/4W | R889 | 1-215-877-11 | METAL OXIDE | 22K 5% 1W |
| R811 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | R898 | 1-214-789-00 | METAL | 0.1 10% 5W |
| R812 | 1-249-431-11 | CARBON | 15K 5% 1/4W | R901 | 1-249-429-11 | CARBON | 10K 5% 1/4W (LX7) |
| R813 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R902 | 1-249-441-11 | CARBON | 100K 5% 1/4W (LX7) |
| R814 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F | R903 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R815 | 1-247-863-91 | CARBON | 22K 5% 1/4W | R904 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| R816 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R905 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R817 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W F | R906 | 1-247-807-31 | CARBON | 100 5% 1/4W |
| R818 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | R907 | 1-247-807-31 | CARBON | 100 5% 1/4W (LX7) |
| R819 | 1-249-439-11 | CARBON | 68K 5% 1/4W | R908 | 1-247-807-31 | CARBON | 100 5% 1/4W |
| △R820 | 1-202-972-61 | FUSIBLE | 1 5% 1/4W | R911 | 1-249-429-11 | CARBON | 10K 5% 1/4W (LX7) |
| R821 | 1-249-435-11 | CARBON | 33K 5% 1/4W | R912 | 1-249-429-11 | CARBON | 10K 5% 1/4W (LX7) |
| R822 | 1-247-863-91 | CARBON | 22K 5% 1/4W | R915 | 1-247-791-91 | CARBON | 22 5% 1/4W (LX8) |
| The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified. | | | | | | | |

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark | | | | |
|---------------------------------------|--------------|---------------------------------|----------|------------|--------------|--------------------------------|--------------|--------------------------|------|----|------|
| < RELAY > | | | | | | | | | | | |
| RY401 | 1-755-168-11 | RELAY | | D608 | 8-719-050-84 | DIODE RB441Q-40T-77 | | | | | |
| < THERMISTOR > | | | | | | | | | | | |
| TH831 | 1-807-796-11 | THERMISTOR | | D617 | 8-719-058-04 | DIODE SEL5223S-TP15 (SURROUND) | | | | | |
| < TERMINAL > | | | | | | | | | | | |
| TM401 | 1-537-842-11 | TERMINAL BOARD (FRONT SPEAKER) | | < FILTER > | | | | | | | |
| ***** | | | | | | | | | | | |
| A-4428-215-A PANEL FL BOARD, COMPLETE | | | | | | | | | | | |
| ***** | | | | | | | | | | | |
| * | 4-225-511-01 | HOLDER (FL) | | L601 | 1-410-517-11 | INDUCTOR | 47uH | | | | |
| | 4-949-935-81 | CUSHION (FL) | | L602 | 1-410-517-11 | INDUCTOR | 47uH | | | | |
| < CAPACITOR > | | | | | | | | | | | |
| C601 | 1-124-589-11 | ELECT | 47uF | 20% | 16V | < TRANSISTOR > | | | | | |
| C602 | 1-162-306-11 | CERAMIC | 0.01uF | 30.00% | 16V | Q601 | 8-729-620-05 | TRANSISTOR 2SC2603TP-EF | | | |
| C603 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V | Q602 | 8-729-140-04 | TRANSISTOR 2SB1116-TP-LK | | | |
| C604 | 1-126-960-11 | ELECT | 1uF | 20.00% | 50V | Q603 | 8-729-140-04 | TRANSISTOR 2SB1116-TP-LK | | | |
| C606 | 1-126-960-11 | ELECT | 1uF | 20.00% | 50V | Q605 | 8-729-029-23 | TRANSISTOR DTA114TSA-TP | | | |
| C616 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V | Q606 | 8-729-029-23 | TRANSISTOR DTA114TSA-TP | | | |
| C617 | 1-162-306-11 | CERAMIC | 0.01uF | 30.00% | 16V | Q607 | 8-729-029-23 | TRANSISTOR DTA114TSA-TP | | | |
| C621 | 1-126-964-11 | ELECT | 10uF | 20.00% | 50V | Q608 | 8-729-047-58 | TRANSISTOR DTC114TTL2 | | | |
| C622 | 1-162-303-11 | CERAMIC | 0.0033uF | 30.00% | 16V | Q609 | 8-729-047-58 | TRANSISTOR DTC114TTL2 | | | |
| C623 | 1-126-964-11 | ELECT | 10uF | 20.00% | 50V | Q610 | 8-729-047-58 | TRANSISTOR DTC114TTL2 | | | |
| C624 | 1-104-664-11 | ELECT | 47uF | 20.00% | 16V | < RESISTOR > | | | | | |
| C625 | 1-126-963-11 | ELECT | 4.7uF | 20.00% | 50V | R601 | 1-247-893-11 | CARBON | 390K | 5% | 1/4W |
| C626 | 1-126-964-11 | ELECT | 10uF | 20.00% | 50V | R602 | 1-247-893-11 | CARBON | 390K | 5% | 1/4W |
| C641 | 1-162-286-21 | CERAMIC | 220PF | 10.00% | 50V | R603 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| C642 | 1-162-286-21 | CERAMIC | 220PF | 10.00% | 50V | R604 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| C643 | 1-162-286-21 | CERAMIC | 220PF | 10.00% | 50V | R605 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| C644 | 1-162-286-21 | CERAMIC | 220PF | 10.00% | 50V | R608 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| C645 | 1-162-286-21 | CERAMIC | 220PF | 10.00% | 50V | R609 | 1-247-895-91 | CARBON | 470K | 5% | 1/4W |
| C646 | 1-162-286-21 | CERAMIC | 220PF | 10.00% | 50V | R611 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| C647 | 1-162-286-21 | CERAMIC | 220PF | 10.00% | 50V | R612 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| C648 | 1-162-286-21 | CERAMIC | 220PF | 10.00% | 50V | R613 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| C649 | 1-162-286-21 | CERAMIC | 220PF | 10.00% | 50V | R614 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| C650 | 1-162-286-21 | CERAMIC | 220PF | 10.00% | 50V | R615 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| C651 | 1-162-286-21 | CERAMIC | 220PF | 10.00% | 50V | R616 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| C652 | 1-162-286-21 | CERAMIC | 220PF | 10.00% | 50V | R617 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| C653 | 1-162-286-21 | CERAMIC | 220PF | 10.00% | 50V | R618 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| C654 | 1-162-286-21 | CERAMIC | 220PF | 10.00% | 50V | R619 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| C655 | 1-162-286-21 | CERAMIC | 220PF | 10.00% | 50V | R620 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| C656 | 1-162-286-21 | CERAMIC | 220PF | 10.00% | 50V | R621 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| < CONNECTOR > | | | | | | | | | | | |
| CN601 | 1-784-735-11 | CONNECTOR, FFC 13P | | R622 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | | |
| CN602 | 1-784-782-11 | CONNECTOR, FFC 21P | | R623 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W | | |
| < DIODE > | | | | | | | | | | | |
| D601 | 8-719-071-44 | DIODE SEL5223C-TP15 (I/O) | | R624 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | | |
| D602 | 8-719-058-04 | DIODE SEL5223S-TP15 (DAILY) | | R625 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | | |
| D603 | 8-719-058-04 | DIODE SEL5223S-TP15 (REC) | | R626 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | | |
| D604 | 8-719-058-04 | DIODE SEL5223S-TP15 (SYNC EQ) | | R627 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | | |
| D605 | 8-719-058-04 | DIODE SEL5223S-TP15 (SYNC BASS) | | R628 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | | |
| | | | | R629 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | | |
| | | | | R630 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | | |

PANEL FL
PANEL VR

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark | | | | |
|----------|--------------|--------------------------------------|--------|----------|----------|--------------|---|--------------------|------------------------------|--------|--------|
| R631 | 1-249-410-11 | CARBON | 270 | 5% | 1/4W F | A-4428-168-A | PANEL VR BOARD, COMPLETE (LX8) ***** | | | | |
| R632 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | | | | | | |
| R633 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W F | A-4428-198-A | PANEL VR BOARD, COMPLETE (LX7) ***** | | | | |
| R634 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W F | | | | | | |
| R642 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W F | | | | | | |
| R644 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W F | | < CAPACITOR > | | | | |
| R645 | 1-249-420-11 | CARBON | 1.8K | 5% | 1/4W F | | | | | | |
| R646 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F | C701 | 1-162-600-11 | CERAMIC | 0.0047uF | 30.00% | 16V |
| R647 | 1-249-410-11 | CARBON | 270 | 5% | 1/4W F | C702 | 1-162-301-11 | CERAMIC | 0.0015uF | 30.00% | 16V |
| R648 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | C703 | 1-162-302-11 | CERAMIC | 0.0022uF | 30.00% | 16V |
| R649 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W F | C704 | 1-104-664-11 | ELECT | 47uF | 20.00% | 16V |
| R650 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W F | C708 | 1-104-665-11 | ELECT | 100uF | 20.00% | 10V |
| R652 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | C709 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| R653 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F | C710 | 1-162-306-11 | CERAMIC | 0.01uF | 30.00% | 16V |
| R654 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | C711 | 1-162-306-11 | CERAMIC | 0.01uF | 30.00% | 16V |
| R655 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F | | < CONNECTOR > | | | | |
| R656 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W | CN701 | 1-568-864-11 | CONNECTOR, FFC 21P | | | |
| R659 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | | | | | | |
| R660 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | | < DIODE > | | | | |
| R661 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F | D606 | 8-719-058-03 | DIODE | SEL5423E-TP15 (TUNER/BAND) | | |
| R662 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F | D607 | 8-719-058-04 | DIODE | SEL5223S-TP15 (ENT/NEXT) | | |
| R665 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | D611 | 8-719-058-04 | DIODE | SEL5223S-TP15 (GROOVE) | | |
| R666 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | D612 | 8-719-058-04 | DIODE | SEL5223S-TP15 (SUPER WOOFER) | | |
| R667 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | D616 | 8-719-058-04 | DIODE | SEL5223S-TP15 (ENTER) | | |
| R680 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | D618 | 8-719-058-04 | DIODE | SEL5223S-TP15 (EFFECT) | | |
| R681 | 1-249-440-11 | CARBON | 82K | 5% | 1/4W | D619 | 8-719-301-60 | DIODE | SEL2910A-C-TP2 (MENU 1) | | |
| R682 | 1-249-420-11 | CARBON | 1.8K | 5% | 1/4W F | D620 | 8-719-301-60 | DIODE | SEL2910A-C-TP2 (MENU 2) | | |
| R683 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W | D621 | 8-719-301-60 | DIODE | SEL2910A-C-TP2 (PFILE) | | |
| R684 | 1-249-440-11 | CARBON | 82K | 5% | 1/4W | D623 | 8-719-301-60 | DIODE | SEL2910A-C-TP2 (FILE 5) | | |
| R685 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | D624 | 8-719-301-60 | DIODE | SEL2910A-C-TP2 (FILE 4) | | |
| R686 | 1-249-410-11 | CARBON | 270 | 5% | 1/4W F | D625 | 8-719-301-60 | DIODE | SEL2910A-C-TP2 (FILE 3) | | |
| R687 | 1-249-410-11 | CARBON | 270 | 5% | 1/4W F | D626 | 8-719-301-60 | DIODE | SEL2910A-C-TP2 (FILE 2) | | |
| R688 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W F | D627 | 8-719-301-60 | DIODE | SEL2910A-C-TP2 (FILE 1) | | |
| R689 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | | < IC > | | | | |
| R690 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F | | | | | | |
| R699 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | IC701 | 8-759-567-59 | IC | NJU3716L | | |
| | | | | | | IC702 | 8-759-459-86 | IC | NJL64H400A | | |
| S601 | 1-762-875-21 | SWITCH, KEYBOARD (I/O) | | | | | | < COIL > | | | |
| S602 | 1-762-875-21 | SWITCH, KEYBOARD (DEMO (STAND BY)) | | | | L704 | 1-410-509-11 | INDUCTOR | 10uH | | |
| S603 | 1-762-875-21 | SWITCH, KEYBOARD (DISPLAY) | | | | | | < RESISTOR > | | | |
| S604 | 1-762-875-21 | SWITCH, KEYBOARD (SPECTRUM ANALYZER) | | | | | | | | | |
| S612 | 1-762-875-21 | SWITCH, KEYBOARD (FUNCTION) | | | | | | | | | |
| S614 | 1-762-875-21 | SWITCH, KEYBOARD (SYNC EQ) | | | | R724 | 1-249-422-11 | CARBON | 2.7K | 5% | 1/4W F |
| S615 | 1-762-875-21 | SWITCH, KEYBOARD (SYNC BASS) | | | | R725 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| S617 | 1-762-875-21 | SWITCH, KEYBOARD (DAILY) | | | | R726 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |
| S618 | 1-762-875-21 | SWITCH, KEYBOARD (REC) | | | | R727 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W F |
| S619 | 1-762-875-21 | SWITCH, KEYBOARD (SLEEP) | | | | R728 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| S620 | 1-762-875-21 | SWITCH, KEYBOARD (CLOCK SET) | | | | R729 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| S632 | 1-762-875-21 | SWITCH, KEYBOARD (KARAOKE PON) | | | | R730 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W |
| S635 | 1-762-875-21 | SWITCH, KEYBOARD (SURROUND) | | | | R731 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W |
| | | | | | | R732 | 1-247-804-11 | CARBON | 75 | 5% | 1/4W |
| | | | | | | R733 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F |
| X601 | 1-781-312-11 | VIBRATOR, CERAMIC 12.5MHz | | | | | | | | | |
| | | | | | | R734 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| | | | | | | R735 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W F |
| | | | | | | R736 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W F |

PANEL VR

SUB TRANS

TABLE SENSOR

TC-A

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark | |
|-----------------------|--------------|------------------------------------|--------|----------|----------|------------------------------------|--------------------|--------------------------------------|
| R737 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W F | S623 | 1-762-875-21 | SWITCH, KEYBOARD (▲) |
| R738 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | S624 | 1-762-875-21 | SWITCH, KEYBOARD (►) |
| R739 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | S626 | 1-762-875-21 | SWITCH, KEYBOARD (GROOVE) |
| R740 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | S627 | 1-762-875-21 | SWITCH, KEYBOARD (SUPER WOOFER) |
| R741 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W F | S628 | 1-762-875-21 | SWITCH, KEYBOARD (SUPER WOOFER MODE) |
| R742 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W F | S633 | 1-762-875-21 | SWITCH, KEYBOARD (ENTER) |
| R743 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W F | S634 | 1-762-875-21 | SWITCH, KEYBOARD (GEQ CTRL) |
| R744 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W F | S636 | 1-762-875-21 | SWITCH, KEYBOARD (EFFECT) |
| R750 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W F | S637 | 1-762-875-21 | SWITCH, KEYBOARD (FILE MENU) |
| R751 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W F | S701 | 1-473-392-11 | ENCODER, ROTARY (VOLUME) |
| R761 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | ***** | | |
| R762 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W F | 1-676-268-11 SUB TRANS BOARD (LX7) | | |
| | | | | | | ***** | | |
| R763 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W F | < CAPACITOR > | | |
| R764 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W F | ▲ C901 | 1-113-925-11 | CERAMIC |
| R765 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | | | 0.01uF 20.00% 250V |
| R766 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W F | | | (LX7) |
| R767 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F | < CONNECTOR > | | |
| R768 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F | CN901 | 1-564-321-00 | PIN, CONNECTOR 2P (LX7) |
| R769 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W F | * CN902 | 1-564-321-21 | PIN, CONNECTOR 2P (LX7) |
| R772 | 1-249-420-11 | CARBON | 1.8K | 5% | 1/4W F | < DIODE > | | |
| R773 | 1-249-422-11 | CARBON | 2.7K | 5% | 1/4W F | D901 | 8-719-991-33 | DIODE 1SS133T-77 (LX7) |
| R775 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W | < RELAY > | | |
| R776 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W | ▲ RY901 | 1-755-276-11 | RELAY, POWER (LX7) |
| R777 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F | < TRANSFORMER > | | |
| R778 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F | R782 | 1-249-407-11 | CARBON |
| R779 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F | ▲ T901 | 1-435-240-11 | TRANSFORMER, POWER (LX7) |
| R780 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F | ***** | | |
| R784 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F | * 1-659-058-13 | TABLE SENSOR BOARD | |
| | | | | | | ***** | | |
| R791 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F | < IC > | | |
| R792 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F | IC202 | 8-749-924-18 | PHOTO INTERRUPTER RPI-1391 |
| R793 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W F | < RESISTOR > | | |
| R794 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F | R207 | 1-249-416-11 | CARBON |
| R795 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F | | | 820 5% 1/4W F |
| | | | | | | ***** | | |
| < VARIABLE RESISTOR > | | | | | | | | |
| RV750 | 1-225-739-31 | RES, VAR CARBON 50K (MIC LEVEL) | | | | ***** | | |
| RV751 | 1-225-739-11 | RES, VAR CARBON 50K (GUITAR LEVEL) | | | | 1-676-274-11 | TC-A BOARD | |
| | | | | | | ***** | | |
| < SWITCH > | | | | | | | | |
| S605 | 1-762-875-21 | SWITCH, KEYBOARD (PTY)(LX7) | | | | < DIODE > | | |
| S606 | 1-762-875-21 | SWITCH, KEYBOARD (TUNING MODE) | | | | D631 | 8-719-058-03 | DIODE SEL5423E-TP15 (►) |
| S607 | 1-762-875-21 | SWITCH, KEYBOARD (ST/MONO) | | | | D632 | 8-719-058-03 | DIODE SEL5423E-TP15 (◄) |
| S608 | 1-762-875-21 | SWITCH, KEYBOARD (ENT/NEXT) | | | | < RESISTOR > | | |
| S609 | 1-762-875-21 | SWITCH, KEYBOARD (TUNER/BAND) | | | | R700 | 1-249-410-11 | CARBON |
| S610 | 1-762-875-21 | SWITCH, KEYBOARD (+) | | | | | | 270 5% 1/4W F |
| S611 | 1-762-875-21 | SWITCH, KEYBOARD (-) | | | | R701 | 1-249-411-11 | CARBON |
| S613 | 1-762-875-21 | SWITCH, KEYBOARD (TUNER MEMORY) | | | | | | 330 5% 1/4W |
| S621 | 1-762-875-21 | SWITCH, KEYBOARD (▼) | | | | R702 | 1-249-413-11 | CARBON |
| S622 | 1-762-875-21 | SWITCH, KEYBOARD (◀) | | | | | | 470 5% 1/4W F |
| | | | | | | R703 | 1-249-414-11 | CARBON |
| | | | | | | | | 560 5% 1/4W F |

The components identified by mark ▲ or dotted line with mark ▲ are critical for safety.
Replace only with part number specified.

TC-A

TC-B

TRANS

| Ref. No. | Part No. | Description | Remark | Ref. No. | Part No. | Description | Remark | |
|----------|--------------|--------------------------------|----------------|----------|--------------|---|--------------------------|-------|
| R704 | 1-249-415-11 | CARBON | 680 5% 1/4W F | | 1-676-267-11 | TRANS BOARD | ***** | |
| R705 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | | 1-533-233-21 | HOLDER, FUSE | | |
| R706 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W F | | 7-685-64679 | SCREW +BVTP 3X8 TYPE2 N-S | | |
| R707 | 1-247-804-11 | CARBON | 75 5% 1/4W | | | | | |
| R708 | 1-247-804-11 | CARBON | 75 5% 1/4W | | | < CAPACITOR > | | |
| | | < SWITCH > | | | | | | |
| S641 | 1-762-875-21 | SWITCH, KEYBOARD (▷) | | C834 | 1-130-777-00 | MYLAR | 0.1uF 10.00% 100V | |
| S642 | 1-762-875-21 | SWITCH, KEYBOARD (◁) | | C893 | 1-130-777-00 | MYLAR | 0.1uF 10.00% 100V | |
| S643 | 1-762-875-21 | SWITCH, KEYBOARD (■) | | C961 | 1-162-306-11 | CERAMIC | 0.01uF 30.00% 16V | |
| S644 | 1-762-875-21 | SWITCH, KEYBOARD (◀◀) | | C963 | 1-162-306-11 | CERAMIC | 0.01uF 30.00% 16V | |
| S645 | 1-762-875-21 | SWITCH, KEYBOARD (▶▶) | | | | | | |
| S646 | 1-762-875-21 | SWITCH, KEYBOARD (DOLBY NR) | | | | < CONNECTOR > | | |
| S647 | 1-762-875-21 | SWITCH, KEYBOARD (DIRECTION) | | CN905 | 1-564-321-00 | PIN, CONNECTOR 2P (LX8) | | |
| | | | | * CN951 | 1-564-214-11 | PIN, CONNECTOR (B3PS-VH)3P | | |
| | | | | * CN952 | 1-564-524-11 | PLUG, CONNECTOR 9P (LX7) | | |
| | | | | * CN952 | 1-564-526-11 | PLUG, CONNECTOR 11P (LX8) | | |
| | | | | | | | | |
| | | | | | | < DIODE > | | |
| | 1-676-275-11 | TC-B BOARD | ***** | D832 | 8-719-510-68 | DIODE D5SBA204101 | | |
| | | | | | | | | |
| | | < DIODE > | | | | < FUSE > | | |
| D635 | 8-719-058-03 | DIODE SEL5423E-TP15 (◁) | | △F951 | 1-533-949-31 | FUSE (T8AL/250V) (LX8:E,AR,EA,SP,MY) | | |
| D636 | 8-719-058-03 | DIODE SEL5423E-TP15 (▷) | | △F961 | 1-533-949-31 | FUSE, CYLINDRICAL (TIME LUG)(T8AL/250V) | | |
| D637 | 8-719-057-97 | DIODE SEL5923A-TP15 (■) | | △F962 | 1-533-949-31 | FUSE, CYLINDRICAL (TIME LUG)(T8AL/250V) | | |
| D638 | 8-719-058-04 | DIODE SEL5223S-TP15 (● REC) | | △F963 | 1-532-506-31 | FUSE (T6.3AL/250V) | | |
| | | | | △F964 | 1-532-506-31 | FUSE (T6.3AL/250V) | | |
| | | | | | | | | |
| | | < RESISTOR > | | | | | | |
| R711 | 1-249-415-11 | CARBON | 680 5% 1/4W F | | | < RESISTOR > | | |
| R712 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | | △R951 | 1-219-121-11 | FUSIBLE 0.22 5% 1/4W | |
| R713 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W F | | △R951 | 1-219-122-91 | FUSIBLE 0.33 5% 1/4W | (LX8) |
| R714 | 1-249-414-11 | CARBON | 560 5% 1/4W F | | △R952 | 1-219-121-11 | FUSIBLE 0.22 5% 1/4W | (LX7) |
| R715 | 1-249-415-11 | CARBON | 680 5% 1/4W F | | △R952 | 1-219-122-91 | FUSIBLE 0.33 5% 1/4W | |
| R716 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | | △R953 | 1-219-119-81 | FUSIBLE 0.1 5% 1/4W | (LX8) |
| R717 | 1-249-418-11 | CARBON | 1.2K 5% 1/4W F | | | | | |
| R718 | 1-249-420-11 | CARBON | 1.8K 5% 1/4W F | | | | | |
| R719 | 1-249-422-11 | CARBON | 2.7K 5% 1/4W F | | | | | |
| R720 | 1-247-804-11 | CARBON | 75 5% 1/4W | | | | | |
| | | | | | | < TRANSFORMER > | | |
| R721 | 1-247-804-11 | CARBON | 75 5% 1/4W | | △T951 | 1-435-245-11 | TRANSFORMER, POWER (LX7) | |
| R722 | 1-247-807-31 | CARBON | 100 5% 1/4W | | △T951 | 1-435-246-11 | TRANSFORMER, POWER (LX8) | |
| R723 | 1-249-407-11 | CARBON | 150 5% 1/4W F | | | | | |
| | | | | | | | | |
| | | < SWITCH > | | | | < SWITCH > | | |
| S651 | 1-762-875-21 | SWITCH, KEYBOARD (▷) | | △VS901 | 1-771-291-11 | SWITCH,POWER (VOLTAGE SELECTOR) | | |
| S652 | 1-762-875-21 | SWITCH, KEYBOARD (◁) | | | | (LX8:E,AR,EA,SP,MY) | | |
| S653 | 1-762-875-21 | SWITCH, KEYBOARD (■) | | | | | | |
| S654 | 1-762-875-21 | SWITCH, KEYBOARD (◀◀) | | | | | | |
| S655 | 1-762-875-21 | SWITCH, KEYBOARD (▶▶) | | | | | | |
| | | | | | | | | |
| S656 | 1-762-875-21 | SWITCH, KEYBOARD (■) | | | | | | |
| S657 | 1-762-875-21 | SWITCH, KEYBOARD (● REC) | | | | | | |
| S658 | 1-762-875-21 | SWITCH, KEYBOARD (H SPEED DUB) | | | | | | |
| S659 | 1-762-875-21 | SWITCH, KEYBOARD (CD SYNC) | | | | | | |
| | | | | | | | | |

The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

| <u>Ref. No.</u> | <u>Part No.</u> | <u>Description</u> | <u>Remark</u> | <u>Ref. No.</u> | <u>Part No.</u> | <u>Description</u> | <u>Remark</u> |
|---------------------------------|-----------------|--|---------------|-----------------|-----------------|--------------------|---------------|
| ***** MISCELLANEOUS ***** | | | | | | | |
| 1 | 1-769-977-11 | WIRE (FLAT TYPE)(13 CORE)(LX8) | | | | | |
| 1 | 1-773-009-11 | WIRE (FLAT TYPE)(15 CORE)(LX7) | | | | | |
| 2 | 1-693-484-11 | TUNER (FM/AM) (LX8:E) | | | | | |
| 2 | 1-693-488-11 | TUNER (FM/AM) (LX8:AR,MX,EA,SP,MY,AUS) | | | | | |
| 2 | 1-693-490-11 | TUNER (FM/AM) (LX7) | | | | | |
| 54 | 1-773-150-11 | WIRE (FLAT TYPE)(21 CORE) | | | | | |
| 64 | 1-751-688-11 | WIRE (FLAT TYPE)(13 CORE) | | | | | |
| 153 | 1-790-287-11 | WIRE (FLAT TYPE)(19 CORE) | | | | | |
| 156 | 1-773-056-11 | WIRE (FLAT TYPE)(17 CORE) | | | | | |
| 158 | 1-773-032-11 | WIRE (FLAT TYPE)(15 CORE) | | | | | |
| △162 | 1-569-007-11 | ADAPTOR, CONVERSION 2P (LX8:E) | | | | | |
| △162 | 1-569-008-21 | ADAPTOR, CONVERSION 2P (LX8:EA,SP,MY) | | | | | |
| 162 | 1-770-019-11 | ADAPTOR, CONVERSION PLUG 3P (LX7:UK) | | | | | |
| △163 | 1-696-847-11 | CORD, POWER (LX8:AUS) | | | | | |
| △163 | 1-777-071-51 | CORD, POWER (LX7/LX8:EA,SP,MY) | | | | | |
| △163 | 1-783-941-11 | CORD, POWER (LX8:AR) | | | | | |
| △163 | 1-791-901-11 | CORD, POWER (LX8:E,MX) | | | | | |
| 507 | 1-452-925-21 | MAGNET ASSY | | | | | |
| △601 | 8-820-020-02 | OPTICAL PICK-UP KSS-213D/Q-NP | | | | | |
| 602 | 1-769-069-11 | WIRE (FLAT TYPE)(16 CORE) | | | | | |
| FL601 | 1-517-940-11 | INDICATOR TUBE, FLUORESCENT | | | | | |
| M1 | A-2004-628-A | MOTOR ASSY, CAPSTAN | | | | | |
| M101 | X-4917-523-3 | MOTOR ASSY (SPINDLE) | | | | | |
| M102 | X-4917-504-1 | MOTOR ASSY (SLED) | | | | | |
| M201 | A-4660-977-A | MOTOR ASSY (TABLE) | | | | | |
| M901 | 1-763-072-11 | FAN, D.C. | | | | | |
| △T951 | 1-435-245-11 | TRANSFORMER, POWER (LX7) | | | | | |
| △T951 | 1-435-246-11 | TRANSFORMER, POWER (LX8) | | | | | |
| ***** | | | | | | | |

HARDWARE LIST

| | | |
|-----|--------------|----------------------------|
| #1 | 7-685-871-01 | SCREW +BVTT 3X6 (S) |
| #2 | 7-685-872-09 | SCREW +BVTT 3X8 (S) |
| #3 | 7-685-646-79 | SCREW +BVTP 3X8 TYPE N-S |
| #4 | 7-685-881-09 | SCREW +BVTT 4X8 (S) |
| #5 | 7-685-851-04 | SCREW +BVTT 2X4 (S) |
| #8 | 7-685-650-79 | SCREW +BVTP 3X16 TYPE IT-3 |
| #10 | 7-628-254-50 | SCREW +PS 2.6X16 |
| #11 | 7-628-254-15 | SCREW +PS 2.6X6 |

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SS-LV80/LV100AV/LX7/LX8/LX8G/ LX9AVG/LX10AV/LX10AVG

SERVICE MANUAL

Ver 1.0 2000.2



- This set is the speaker system in LBT-LV80/LV100AV/LX7/LX8/LX9AV/LX10AV/LX70.

Photo: SS-LV80

AEP Model

UK Model

SS-LX7/LX9AVG

E Model

SS-LV80/LV100AV/LX8/LX8G/
LX10AV/LX10AVG

Australian Model

SS-LX8G/LX100AVG

SPECIFICATIONS

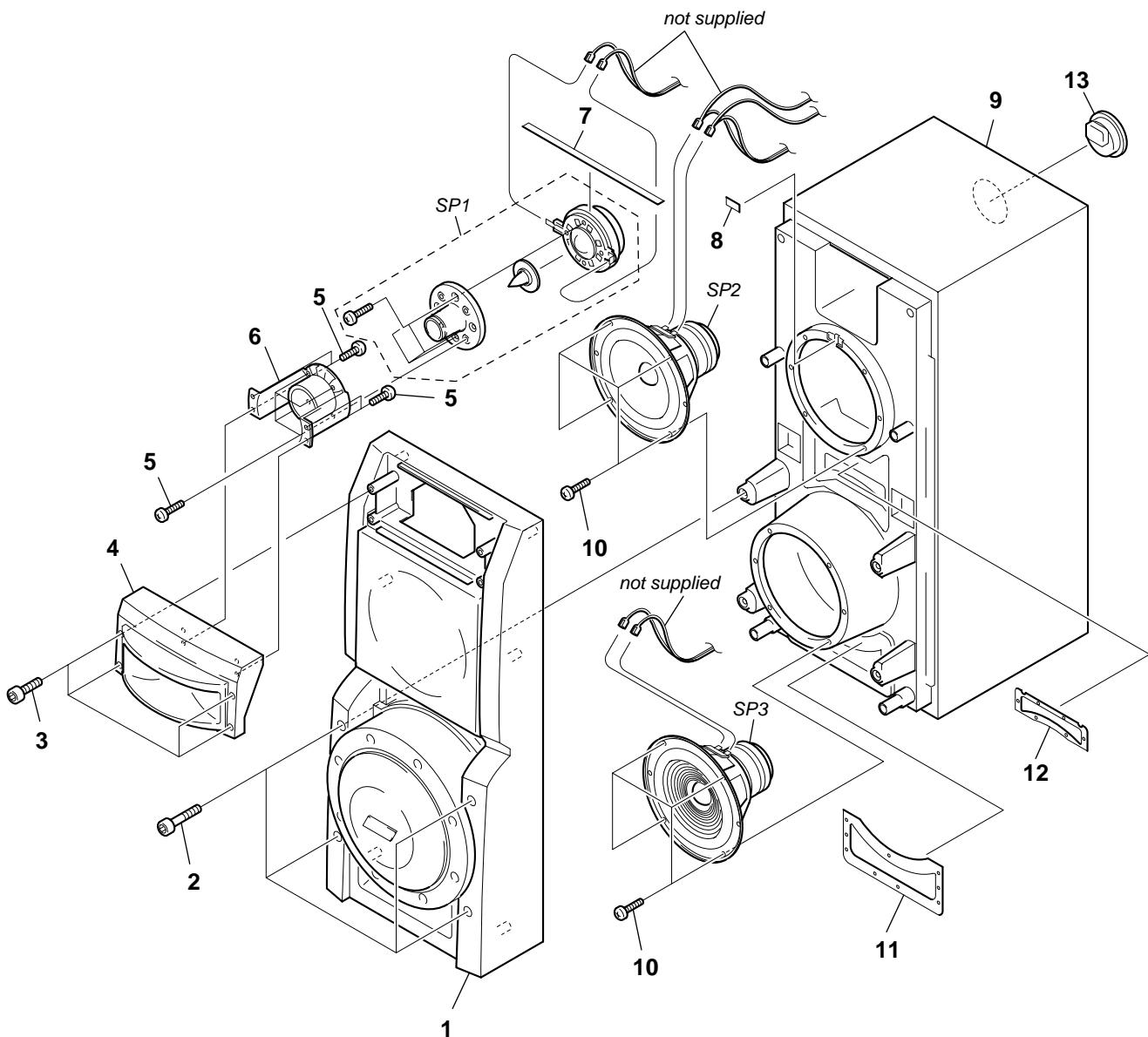
| | |
|-----------------------|--|
| Speaker system | 3-way BUILT IN SW, magnetically shielded type |
| Speaker units | |
| Super Woofer/Woofers: | 20 cm dia., cone type |
| Tweeter: | 2.5 cm dia., horn type |
| Rated impedance | 4 Ω (LV80, LX8, LX8G) 6 Ω (LV100AV, LX7, LX9AVG, LV10AV, LX10AVG) |
| Dimensions (w/h/d) | Approx. 290 × 615 × 435 mm |
| Mass | Approx. 16 kg net per speaker |

Design and specifications are subject to change without notice

SPEAKER SYSTEM

SONY®

EXPLODED VIEW AND PARTS LIST



| Ref. No. | Part No. | Description | Remarks | Ref. No. | Part No. | Description | Remarks |
|----------|--------------|--|---------|--------------|------------------------------|---|---------------------------------|
| 1 | X-4952-678-1 | PANEL ASSY, FRONT (LV80,LV100AV,LX7,LX8,LX10AV) | | 12 | 4-227-039-01 | PACKING, TOP | |
| 1 | X-4952-965-1 | PANEL ASSY, FRONT (LX8G,LX9AVG,LX10AVG) | | 13 | 1-537-332-11 | TERMINAL BOARD | |
| 2 | 4-227-041-01 | SCREW(L40), SOCKET TAPPING | | SP1 | 1-529-607-11 | SPEAKER (2.5cm) | |
| 3 | 4-999-101-01 | SCREW, HEXAGON HOLE TAPPING | | SP2 | 1-529-608-11 | SPEAKER (18cm) | |
| 4 | 4-227-032-01 | HORN,TW. | | SP3 | 1-529-609-11 | SPEAKER (18cm)(LV80,LX8,LX8G) | |
| 5 | 4-874-614-31 | SCREW(4) (3.5X12), TAPPING | | SP3 | 1-529-654-11 | SPEAKER (18cm) (LV100AV,LX7,LX9AVG,LX10AV,LX10AVG) | |
| 6 | 4-227-036-01 | BRACKET | | | | | ACCESSORIES & PACKING MATERIALS |
| 7 | 4-226-967-01 | PACKING (TW) | | | | | ***** |
| 8 | 4-942-029-01 | PACKING | | | | | |
| 9 | A-4412-012-A | CABINET ASSY, SPEAKER | | | | | |
| 10 | 7-685-148-19 | SCREW +BVTP 4X10 TYPE2 N-S | | 1-775-512-21 | CORD, SPEAKER CONNECTION | | |
| 11 | 4-227-040-01 | PACKING, BOTTOM | | 4-210-254-01 | CUSHION (FOOT) | | |
| | | | | 4-228-574-11 | MANUAL, INSTRUCTION(ENGLISH) | | |